

# SAFETY DATA SHEET

## 1. Identification

**Product identifier** Insulcast 42 - Part B

**Other means of identification**

**SKU#** IE170H

**Recommended use** Not available.

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Manufacturer**

<b>Company name</b>	ITW Engineered Polymers	
<b>Address</b>	130 Commerce Drive Montgomeryville, PA 18936	
	United States	
<b>Telephone</b>	Customer Service	(215) 855-8450
<b>Website</b>	www.itwcoatings.com	
<b>E-mail</b>	orders@itwcoatings.com	
<b>Contact person</b>	EHS Department	
<b>Emergency phone number</b>	CHEMTREC	(800) 424-9300
	International	(703) 527-3887

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards**

Acute toxicity, oral	Category 4
Acute toxicity, inhalation	Category 4
Skin corrosion/irritation	Category 1C
Serious eye damage/eye irritation	Category 1
Sensitization, skin	Category 1
Reproductive toxicity	Category 1

**Environmental hazards**

Hazardous to the aquatic environment, acute hazard	Category 1
Hazardous to the aquatic environment, long-term hazard	Category 1

**OSHA defined hazards** Not classified.

**Label elements**



**Signal word** Danger

**Hazard statement** Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage. Harmful if inhaled. May damage fertility or the unborn child. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

**Precautionary statement**

**Prevention**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

<b>Response</b>	If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. Collect spillage.
<b>Storage</b>	Store locked up.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.
<b>Supplemental information</b>	21.45% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 11.18% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
DIBUTYL PHTHALATE		84-74-2	60 - 100
2,4,6-tris-(dimethylaminomethyl)-phenol		90-72-2	5 - 10
N-.BETA.-(AMINOETHYL).GAMMA.-AMINOPROPYLTRIMETHOXY SILANE		1760-24-3	5 - 10
DIISOCTYL PHTHALATE		27554-26-3	1 - 5
DI-N-BUTYL TIN OXIDE		818-08-6	1 - 5
Other components below reportable levels			3 - 7

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. First-aid measures

<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. Chemical burns must be treated by a physician. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
<b>Most important symptoms/effects, acute and delayed</b>	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause an allergic skin reaction. Dermatitis. Rash.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Fire-fighting equipment/instructions** Move containers from fire area if you can do so without risk.

**Specific methods** Move containers from fire area if you can do so without risk.

**General fire hazards** No unusual fire or explosion hazards noted.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures** Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**Methods and materials for containment and cleaning up** This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

**Environmental precautions** Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

**Precautions for safe handling** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist or vapor. Do not get this material in contact with eyes. Do not get this material in contact with skin. Do not taste or swallow. Avoid contact during pregnancy/while nursing. Avoid prolonged exposure. Do not get this material on clothing. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Avoid release to the environment. Do not empty into drains.

**Conditions for safe storage, including any incompatibilities** Store locked up. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
DIBUTYL PHTHALATE (CAS 84-74-2)	PEL	5 mg/m <sup>3</sup>
DI-N-BUTYLTIN OXIDE (CAS 818-08-6)	PEL	0.1 mg/m <sup>3</sup>

#### US. ACGIH Threshold Limit Values

Components	Type	Value
DIBUTYL PHTHALATE (CAS 84-74-2)	TWA	5 mg/m <sup>3</sup>
DI-N-BUTYLTIN OXIDE (CAS 818-08-6)	STEL	0.2 mg/m <sup>3</sup>
	TWA	0.1 mg/m <sup>3</sup>

#### US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
DIBUTYL PHTHALATE (CAS 84-74-2)	TWA	5 mg/m <sup>3</sup>
DI-N-BUTYLTIN OXIDE (CAS 818-08-6)	TWA	0.1 mg/m <sup>3</sup>

**Biological limit values** No biological exposure limits noted for the ingredient(s).

## Exposure guidelines

### US - California OELs: Skin designation

DI-N-BUTYL TIN OXIDE (CAS 818-08-6) Can be absorbed through the skin.

### US - Minnesota Haz Subs: Skin designation applies

DI-N-BUTYL TIN OXIDE (CAS 818-08-6) Skin designation applies.

### US - Tennessee OELs: Skin designation

DI-N-BUTYL TIN OXIDE (CAS 818-08-6) Can be absorbed through the skin.

### US ACGIH Threshold Limit Values: Skin designation

DI-N-BUTYL TIN OXIDE (CAS 818-08-6) Can be absorbed through the skin.

### US NIOSH Pocket Guide to Chemical Hazards: Skin designation

DI-N-BUTYL TIN OXIDE (CAS 818-08-6) Can be absorbed through the skin.

## Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

## Individual protection measures, such as personal protective equipment

### Eye/face protection

Wear safety glasses with side shields (or goggles) and a face shield. Wear a full-face respirator, if needed.

### Hand protection

Wear appropriate chemical resistant gloves.

### Skin protection

#### Other

Wear appropriate chemical resistant clothing.

### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

## General hygiene considerations

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

## 9. Physical and chemical properties

### Appearance

Liquid.

### Physical state

Liquid.

### Form

Liquid.

### Color

Clear to dark

### Odor

Slight.

### Odor threshold

Not available.

### pH

Not available.

### Melting point/freezing point

Not available.

### Initial boiling point and boiling range

320 °F (160 °C)

### Flash point

255.0 °F (123.9 °C)

### Evaporation rate

Not available.

### Flammability (solid, gas)

Not available.

### Upper/lower flammability or explosive limits

#### Flammability limit - lower (%)

Not available.

#### Flammability limit - upper (%)

Not available.

#### Explosive limit - lower (%)

Not available.

#### Explosive limit - upper (%)

Not available.

### Vapor pressure

1.1 mm Hg

### Vapor density

Not available.

### Relative density

Not available.

### Solubility(ies)

#### Solubility (water)

Not available.

<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Density</b>	8.67 lb/gal
<b>Flammability class</b>	Combustible IIIB estimated
<b>Specific gravity</b>	1.04

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Incompatible materials</b>	Nitrates.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Ingestion</b>	Causes digestive tract burns. Harmful if swallowed.
<b>Inhalation</b>	Harmful if inhaled.
<b>Skin contact</b>	Causes severe skin burns. May cause an allergic skin reaction.
<b>Eye contact</b>	Causes serious eye damage.

**Symptoms related to the physical, chemical and toxicological characteristics** Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause an allergic skin reaction. Dermatitis. Rash.

### Information on toxicological effects

<b>Acute toxicity</b>	Harmful if inhaled. Harmful if swallowed. May cause an allergic skin reaction.
<b>Skin corrosion/irritation</b>	Causes severe skin burns and eye damage.
<b>Serious eye damage/eye irritation</b>	Causes serious eye damage.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	Not available.
<b>Skin sensitization</b>	May cause an allergic skin reaction.
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

### Carcinogenicity

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

<b>Reproductive toxicity</b>	May damage fertility or the unborn child.
<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not available.
<b>Chronic effects</b>	Prolonged inhalation may be harmful.

## 12. Ecological information

<b>Ecotoxicity</b>	Very toxic to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected.
<b>Persistence and degradability</b>	No data is available on the degradability of this product.

**Bioaccumulative potential** - No data available.

**Partition coefficient n-octanol / water (log Kow)**

DIBUTYL PHTHALATE 4.9  
DIISOCTYL PHTHALATE 3 - 4

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**US RCRA Hazardous Waste U List: Reference**

DIBUTYL PHTHALATE (CAS 84-74-2) U069

**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### 14. Transport information

#### DOT

**UN number** UN3066  
**UN proper shipping name** Paint, MARINE POLLUTANT  
**Transport hazard class(es)**  
**Class** 8  
**Subsidiary risk** -  
**Label(s)** 8  
**Packing group** III  
**Environmental hazards**  
**Marine pollutant** Yes  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.  
**Special provisions** B52, IB3, T4, TP1, TP29  
**Packaging exceptions** 154  
**Packaging non bulk** 173  
**Packaging bulk** 241

#### IATA

**UN number** UN3066  
**UN proper shipping name** Paint  
**Transport hazard class(es)**  
**Class** 8  
**Subsidiary risk** -  
**Packing group** III  
**Environmental hazards** Yes  
**ERG Code** 8L  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**Other information**

**Passenger and cargo aircraft** Allowed.  
**Cargo aircraft only** Allowed.

#### IMDG

**UN number** UN3066  
**UN proper shipping name** PAINT, MARINE POLLUTANT

**Transport hazard class(es)**

**Class** 8  
**Subsidiary risk** -  
**Packing group** III  
**Environmental hazards**

**Marine pollutant** Yes  
**EmS** F-A, S-B

**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** This substance/mixture is not intended to be transported in bulk.

**DOT**



**IATA; IMDG**



**Marine pollutant**



**General information**

DOT Regulated Marine Pollutant. IMDG Regulated Marine Pollutant.

**15. Regulatory information**

**US federal regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

DIBUTYL PHTHALATE (CAS 84-74-2) Listed.  
DIISOCTYL PHTHALATE (CAS 27554-26-3) Listed.

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration**

DIBUTYL PHTHALATE (CAS 84-74-2) % 1.0

**US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance**

DIBUTYL PHTHALATE (CAS 84-74-2) Listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**  
 Immediate Hazard - Yes  
 Delayed Hazard - Yes  
 Fire Hazard - No  
 Pressure Hazard - No  
 Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** No**SARA 313 (TRI reporting)**

Chemical name	CAS number	% by wt.
DIBUTYL PHTHALATE	84-74-2	60 - 100
Methyl Alcohol	67-56-1	0.1 - 1

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

DIBUTYL PHTHALATE (CAS 84-74-2)

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.**US state regulations****US. Massachusetts RTK - Substance List**

DIBUTYL PHTHALATE (CAS 84-74-2)

**US. New Jersey Worker and Community Right-to-Know Act**

DIBUTYL PHTHALATE (CAS 84-74-2)

**US. Pennsylvania Worker and Community Right-to-Know Law**DIBUTYL PHTHALATE (CAS 84-74-2)  
DIISOCTYL PHTHALATE (CAS 27554-26-3)**US. Rhode Island RTK**DIBUTYL PHTHALATE (CAS 84-74-2)  
DIISOCTYL PHTHALATE (CAS 27554-26-3)**US. California Proposition 65**

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

**US - California Proposition 65 - CRT: Listed date/Developmental toxin**DIBUTYL PHTHALATE (CAS 84-74-2) Listed: December 2, 2005  
Methyl Alcohol (CAS 67-56-1) Listed: March 16, 2012**US - California Proposition 65 - CRT: Listed date/Female reproductive toxin**

DIBUTYL PHTHALATE (CAS 84-74-2) Listed: December 2, 2005

**US - California Proposition 65 - CRT: Listed date/Male reproductive toxin**

DIBUTYL PHTHALATE (CAS 84-74-2) Listed: December 2, 2005

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes



Country(s) or region	Inventory name	On inventory (yes/no)*
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

<b>Issue date</b>	03-26-2014
<b>Revision date</b>	06-02-2014
<b>Version #</b>	02
<b>HMIS® ratings</b>	Health: 3* Flammability: 1 Physical hazard: 1
<b>NFPA ratings</b>	Health: 3 Flammability: 1 Instability: 1
<b>Disclaimer</b>	The information in the sheet was written based on the best knowledge and experience currently available.
<b>Revision Information</b>	Product and Company Identification: Product and Company Identification Physical & Chemical Properties: Multiple Properties Transport Information: Material Transportation Information Regulatory Information: United States

**BulwarkOnline Receipt:**

\*\*\* PLEASE PRINT RECEIPT OUT AND RETAIN IT FOR FUTURE REFERENCE \*\*\*

**Order Number:** BW128241  
**Customer ID:** 72877  
**Email:** btighe@hiscoinc.com  
**Date:** 11/10/2016 12:14:33 PM  
**Payment:** CREDITCARD  
**Card Type:** VISA  
**Card Name:** Paul Kangas  
**Card Number:** \*\*\*\*6115  
**Order Notes:** PO 1165892-00

<b>Account:</b>	<b>Billing Address:</b>	<b>Shipping Address:</b>
<b>Name:</b>	Paul Kangas	Paul Kangas
Company:	HISCO INC	HISCO INC
Address:	13000 Wilfred Lane	13000 Wilfred Lane
City:	Rogers	Rogers
State/Province:	MN	MN
Zip:	55374	55374
Country:	United States	United States
Phone:	7636572800	7636572800

<b>Product:</b>	<b>Quantity:</b>	<b>Sub Total:</b>
<b>Bulwark Flame Resistant Lab Coat EXCEL FR® Light Blue KEL2LB</b>	2	\$94.10
SKU: KEL2LB		
Size: Medium		

Subtotal:	\$94.10
Shipping (Ground):	\$12.11
Tax:	\$0.00
<b>Total:</b>	<b>\$106.21</b>

Thank you for your purchase.  
*Bulwark Online*  
<https://www.bulwarkonline.com/>