

Safety Data Sheet
Product Name: IT-5
(Floating Inert Resin for packed beds)
Effective date 10 January 2020

Section 1: Identification

1a	Product Name	ResinTech IT-5
1b	Common Name	Floating Inert resin for packed beds.
1c	Intended use	Floating support layer for packed bed resin systems.
1d	Manufacturer Address	ResinTech, Inc. 1801 Federal Street Camden, NJ 08105 USA
	Phone	856-768-9600
	Email	ixresin@resintech.com

Section 2: Hazard Identification

2a OSHA Hazard classification Not hazardous or dangerous

Product Hazard Rating	Scale
Health = 0	0 = Negligible
Fire = 1	1 = Slight
Reactivity = 0	2 = Moderate
Special – N/A	3 = High
	4 = Extreme

2b	Product description	White, amber, or tan colored solid granules with no odor.
2c	Precautions for use	Safety glasses and gloves recommended. Slipping hazard if spilled.
2c	Potential health effects	May cause eye irritation. Ingestion is not likely to pose a health risk.
2d	Environmental effects	Little or none.



Warning (contains granular polypropylene)

H320: Causes eye irritation (Category 2B)

Precautionary Statements

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection

P305+351+338: IF IN EYES: Rinse cautiously 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.

P337+313: If eye irritation persists get medical advice/attention.

P403+233: Store in a well-ventilated place. Keep container tightly closed.

Please refer to the safety data sheet for additional information regarding this product

ResinTech, Inc.
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Camden, NJ 08105 USA
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Section 3: Composition/ Information on Ingredients

3a	Chemical name	Polypropylene
3b	Ingredients Polypropylene	CAS# 9003-07-0 (>99%)

Section 4: First Aid Measures

4a	Inhalation	No adverse effects expected. Normal use of product does not produce odors or vapors.
4b	Skin	Wash with soap and water- seek medical attention if a rash develops.
4c	Eye contact	Wash immediately with water- seek attention if discomfort continues.
4d	Ingestion	No adverse effects expected for small amounts, larger amounts can cause stomach irritation. Seek medical attention if discomfort occurs.

Section 5: Fire Fighting Measures

5a	Flammability	NFPA Fire rating = 1
5b	Extinguishing media	Water, CO2, foam, dry powder
5c	Fire fighting Procedures	Follow general fire fighting procedures indicated in the work place.
5d	Protective Equipment	MSHA/NIOSH approved self-contained breathing gear, full protective clothing.
5e	Combustion Products	Carbon oxides and other toxic gasses and vapors.
5f	Unusual Hazards	Flammable at >350° C.

Section 6: Accidental Release Measures

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|----|---------------------------|---|
| 6a | Personal Precautions | Keep people away, spilled resin can be a slipping hazard, wear gloves and safety glasses to minimize skin or eye contact. |
| 6b | Incompatible Chemicals | Strong oxidants can create risk of combustion products similar to burning. |
| 6c | Environmental Precautions | Keep out of public sewers and waterways. |
| 6d | Containment Materials | Use plastic, paper, or metal containers. |
| 6e | Methods of Clean-up | Sweep up material and transfer to containers. |

Section 7: Handling and Storage

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|----|----------|--|
| 7a | Handling | Avoid prolonged skin contact. |
| 7b | Storage | Store in a cool dry place (0° to 45° C) in the original shipping container. This product is not thermally sensitive and will not freeze. |

Section 8: Exposure Controls/Personal Protection

- | | | |
|----|---|---|
| 8a | OSHA exposure limits | None noted. |
| 8b | Engineering Controls | Provide adequate ventilation. |
| 8c | Personal Protection
Measures Eye Protection
Respiratory Protection
Protective Gloves | Safety glasses or goggles.
Not required for normal use.
Not required for limited exposure but recommended for extended contact. |

Section 9: Physical and Chemical Properties

Appearance	White, amber, or tan granules.
Flammability or explosive limits	Flammable above 335° C
Odor	None
Physical State	Solid
Vapor pressure	Not available
Odor threshold	Not available
Vapor density	Not available
pH	Near neutral (6 to 8 typical)
Relative density	Approx 850 grams/Liter
Melting point/freezing point	Approx 170 °C
Solubility	Insoluble in water and most solvents
Boiling point	Does not boil
Flash point	Approx 335° C
Evaporation rate	Does not evaporate
Partition Coefficient (n-octanol/water)	Not applicable
Auto-ignition temperature	Approx 350° C
Decomposition temperature	Above 350° C
Viscosity	Not applicable

Section 10: Stability and Reactivity

10a Stability	Stable under normal conditions.
10b Conditions to Avoid	Heat, exposure to strong oxidants.
10c Hazardous by-products	Charred polypropylene, aromatic acids and hydrocarbons, organic amines, nitrogen oxides, carbon oxides, chlorinated hydrocarbons.
10d Incompatible materials	Strong oxidizing agents (such as HNO ₃).
10e Hazardous Polymerization	Does not occur

Section 11: Toxicological Information

11a	Likely Routes of Exposure	Oral, skin or eye contact.
11b	Effects of exposure	
	Delayed	None known.
	Immediate (acute)	None known.
	Chronic	None known.
11c	Toxicity Measures	
	Skin Adsorption	Unlikely
	Ingestion	Oral toxicity believed to be low but no LD50 has been established.
	Inhalation	Unknown, vapors are very unlikely due to physical properties (insoluble solid).
11d	Toxicity Symptoms	
	Skin Adsorption	Mild rash.
	Ingestion	Indigestion or general malaise.
	Inhalation	Unknown.
11e	Carcinogenicity	None known

Section 12: Ecological information

12a	Eco toxicity	Not harmful to plant or animal life.
12b	Mobility	Insoluble.
12c	Biodegradability	Not biodegradable.
12d	Bioaccumulation	Insignificant.
12e	Other adverse effects	Not Harmful to the environment.

Section 13: Disposal Considerations

13a	General considerations	Material is non-hazardous.
13b	Disposal Containers	Most plastic and paper containers are suitable.
13c	Disposal methods	No specific method necessary.
13d	Sewage Disposal	Not recommended.
13e	Precautions for incineration	May release toxic vapors when burned.
13f	Precautions for landfills	Resins used to remove hazardous materials may then become hazardous mixtures.

Section 14: Transportation Information

14a	Transportation Class	Not classified as a dangerous good for transport by land, sea, or air.
14b	TDG	Not regulated.
14c	IATA	Not regulated.
14d	DOT (49 CFR 172.101)	Not Regulated.

Section 15: Regulatory Information

15a	CERCLA	Not regulated
15b	SARA Title III	Not regulated
15c	Clean Air act	Not regulated
15d	Clean Water Act	Not regulated
15e	TSCA	Not regulated
15f	Canadian Regulations WHMIS TDG	Not a controlled product Not regulated
15g	Mexican Regulations	Not Dangerous

Section 16: Other Information

The information provided in this safety data sheet is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty or guarantee of accuracy, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another. It is the buyer's responsibility to ensure that their activities comply with federal, state, and local laws.

16a Date of Revision 10 January 2020