

# Sure Thing Solutions, Inc.

## Material Safety Data Sheet.

Product Name: "Sure Thing Scrubbing Polymers"

Date Issued: 10/17/05

Revision Number: 0

Revision Date:

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### 1. Chemical Product and Company Identification:

PRODUCT NAME: "Sure Thing Scrubbing Polymers™."

PRODUCT USE: Purging compound for cleaning plasticizing equipment of thermoplastic processing machines;

MANUFACTURER: Sure Thing Solutions, Inc.

4111 Eleventh Ave. East

Bradenton Fl. 34208

Tel: 941-747-9896

PRODUCT USE: Purging compound for cleaning plasticizing equipment of thermoplastic processing machines;

PERMISSIBLE EXPOSURE LIMITS:

PEL: N/A. when used per Manufacturer's Recommendation\_

### 2. Composition./Information on Ingredients:

<u>INGREDIENT NAME:</u>	<u>CAS #:</u>	<u>WEIGHT %:</u>
Polyolefin-s	09002-88-4	Proprietary
Stabilizing Additives		Proprietary
Homopolymer-s	9003-07-0	Proprietary
Modifiers/Additives	CBI	Proprietary
Certain other Polymers	Contains no reportable hazardous materials	Proprietary

Particulates not otherwise classified (PNOC)

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### **3. Hazards Identification:**

#### Emergency Overview:

Pellets have slight or no odor;  
Spilled pellets could create slipping hazard;  
Can be burned in a fire, causing dense toxic smoke;

Fumes created while processing under certain conditions, may cause irritation to the eyes, skin and respiratory organs;  
Molten plastic may cause sever burns;  
No significant health hazard from exposure to product;

#### Potential Health Hazards:

Eyes: Dust may cause eye irritation;  
Skin: Dust may cause skin irritation. In normal industrial use no hazard;  
Inhalation: Dust may cause irritation to the nose and throat. Overexposure to high concentrations of dust may cause respiratory irritation;  
Product not volatile at ambient temperatures;  
Irritation of eyes, skin & respiratory tracks is possible from processing fumes;  
Ingestion: May cause abdominal discomfort, nausea and/or diarrhea.

#### Medical Restrictions:

Individuals sensitive to or with respiratory impairments may be affected by exposure to processing fumes or vapors.

### **4. First Aid Measures:**

Eyes: Urgently flush & wash eyes with ample supply of water;  
Skin: Wash with plenty soap and water for several minutes; When exposed to heated product, immediately expose affected area to an ample supply of cold water to dissipate heat, than cover with gaze or cotton & seek medical attention;  
Ingestion: No hazard, do not induce vomiting, upon reaction: seek medical attention;  
Inhalation: In case of irritating reactions from fumes: Remove to fresh air.

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### **5. Fire Fighting Measures.**

Fire fighting: Full protective equipment;  
Extinguishing media: Recommended: Water spray & foam; Breathing apparatus;  
Not recommended: Carbon dioxide and dry chemical;

Ignition temperature: 570 C./1,058 F;  
Explosive Hazards: Air born dust could explode if ignited;

### **6. Accidental Release Measures:**

Molten material must solidify before disposal;  
Use vacuum or sweeping; While sweeping, make sure of minimum dusting,  
avoid contact with eyes, skin or clothing;  
Prevent entry of pallets into sewers and waterways.

### **7. Handling and Storage:**

Clean up spills immediately. This product can present serious slipping hazards;  
High levels of static electricity can develop, when handling this resin. Ref. NFPA  
Bulletin 654;  
All metal surfaces in contact with this resin must be grounded;  
Follow recommendations in processing guide and on label;  
Use good industrial hygiene practices;  
Employ explosion relief provisions in accordance with accepted engineering  
practices;  
Avoid the risk of static shocks and potential ignition hazards.

### **8. Exposure Controls/Personal Protections:**

Provide an uninterrupted supply of fresh air and exhaust the processing fumes in the  
work area;  
Remove periodically processing fumes from exhaust hoods, duct works and other  
similar surfaces;  
Eye, face, skin and respiratory protection equipment should be worn, when exposed  
to vapor, dust or mist from this product;

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Heat protective equipment should be worn over body parts exposed to this product in the heated or molten form;

**9. Physical and Chemical Properties:**

Appearance: Semi translucent white opaque pellets, with very slight odor;  
Physical state: Solid; .  
Melting point: Softens gradually over a wide range of temperatures: 320-327 Deg. F.  
(160-164 Deg. C.)  
Specific gravity: 0.950 – 0.965;  
Solubility in water: Insoluble;  
Flash ignition temperature: 644 Deg. F. (340 Deg. C.);  
Evaporation Rate: Negligible;

**10. Stability and Reactivity:**

Stability: Normally stable:  
Reactivity: Softens at exposure to oxidizing agents, such as: nitric acid, perchloric acid, free halogens, hydrocarbons and chlorinated hydrocarbons;  
Hazardous decomposition products: At recommended processing conditions, traces of phenol -, alkylphenol and diarylcarbonate fumes are released; When subject to heats in excess of recommended processing temperatures, gases such as carbon, carbon monoxide, carbon dioxide, acids, aldehydes and ketones are released;  
Hazardous Polymerization: Does not occur;

**11. Toxicological Information:**

Animal toxicity data:  
Oral: LD 50 > 5.00 g/Kg (rat) practically non toxic;  
Dermal: LD 540 > 2.00 g/kg (rabbit) practically non toxic;  
Other: Dust particles may cause eye irritation;  
Chronic or sub-chronic health hazards: Not determined.

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**12. Ecological Information:**

This product is not considered bio-degradable. It is not soluble in water. If discarded as purchased, it does not meet the criteria of hazardous waste.

**13. Ecological / Disposal Information:**

Federal, State and Local requirements must be observed, when incinerating or using this material as a landfill;  
When discarded, this material is not considered a RCRA hazardous waste;  
This material is not harmful to the ecology.

**14. Transportation Information:**

Not regulated;

**15. Regulatory Information:**

Federal Regulation: Section 302/304 Extremely Hazardous Substances:  
None;  
Section 311 Hazardous Categorization:  
None;  
Section 313 Toxic Chemical:  
None;  
Cercla 102(a)/DOT Hazardous Substances:  
None;  
Sara Title III/Cercla:  
No ingredients listed;  
Toxic Substance Control Act (TSCA):  
This material is in compliance.

**16. Other Information:**

This MSDS is issued on information believed to be reliable, but **Sure Thing Solutions, Inc.** reserves the right to make changes, as new information becomes available. End users are responsible for the safe use of this material.

