

MATERIAL SAFETY DATA SHEET

Bastech 170 Series

Revision date: 3-30-2010

1.) COMPANY IDENTIFICATION:



BASTECH, LLC

3035 Powers Avenue Suite 3
Jacksonville, FL 32207

EMERGENCY PHONE NUMBER: 904-737-1722

CHEMTREC: 800-424-9300

2.) COMPOSITION / INFORMATION ON INGREDIENTS:

| <u>Ingredient name</u> | <u>CAS#</u> |
|------------------------|-------------|
| Tall oil fatty acids | 61790-12-3 |

3.) HAZARDS IDENTIFICATION:

Physical Appearance and Odor: Dark brown liquid with characteristic fatty acid odor.

Emergency overview: Product poses little or no hazard. Proper use of protective equipment and ventilation is recommended when using any product.

Potential health effects:

Acute eye: Contact may result in irritation upon prolonged exposure.

Acute skin: No harmful effects have been reported upon contact with skin.

Product may aggravate existing dermatitis.

Acute inhalation: Prolonged or repeated overexposure to vapors or mists can cause irritation to mucous membranes and upper respiratory tract.

Acute ingestion: Low acute oral toxicity. No harmful effects have been reported upon ingestion.

Chronic effects: This product does not contain any ingredient designated by IARC, NTP, ACGIH, or OSHA as a probably or suspected human carcinogen.

4.) FIRST AID MEASURES:

Eye: Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes.

Skin: Immediately wash affected areas with soap and water for at least 5 minutes. If irritation develops, seek medical attention. Clean contaminated clothing and shoes before re-use.

Inhalation: Inhalation is not an expected route of exposure. If respiratory irritation or distress occurs remove victim to fresh air. Seek medical attention if distress or irritation continues.

Ingestion: No special measures required. Do not induce vomiting. Never induce vomiting or give anything by mouth to an unconscious person.

General advice: Treat symptomatically.

5.) FIRE FIGHTING MEASURES:

Flash point: 250 ° F (COC)

Flammability classification: Product will burn.

Extinguishing media: Use dry chemical, foam or carbon dioxide.

Fire fighting equipment and special procedures: Fire fighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protection clothing.

Hazardous decomposition products: Oxides of carbon and nitrogen.

NFPA Hazard codes: Health 1; Flammability 1; Reactivity 0.

6.) ACCIDENTAL RELEASE:

Personal protective equipment: Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

Spill and clean up procedures: Absorb spill with an inert material (i.e. vermiculite). Sweep or scoop into containers for disposal.

7.) HANDLING AND STORAGE:

Handling: Do not get on skin or in eyes. Do not breathe vapors or mists. As with all chemicals, good industrial hygiene practices should be followed.

Storage: Store in a tightly closed container. Store the product in an area that is dry, well-ventilated, and away from ignition sources.

8.) EXPOSURE CONTROLS:

Exposure limits: Not determined

Eye protection: Wear chemical resistant goggles or safety glasses with side shields.

Skin protection: Skin contact with this material should be minimized through the use of impervious gloves. Butyl rubber, PVC, or neoprene is acceptable.

Respiratory protection: If vapors are present use a NIOSH approved respiratory protection for organic vapors.

Other protective equipment and work practices: Eye wash fountain and emergency showers are recommended.

9.) PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: Dark brown liquid

Odor: Tall oil fatty acid

Melting point: ~65°F

Boiling point: >300°F (initial)

Flash point: 250°F (COC)

Solubility in water: Insoluble

Density @ 100°F: 7.5-8.5 ppg

Evaporation rate: >1.0

Viscosity: <500 cps @ 100°F

pH: Not applicable (neat)

10.) STABILITY AND REACTIVITY:

Chemical stability: This material is stable under normal handling and storage conditions.

Substances to avoid: Avoid strong oxidizers.

Hazardous decomposition products: Oxides of carbon and nitrogen.

Hazardous polymerization: Will not occur.

11.) TOXICOLOGICAL INFORMATION:

Acute toxicity: No adverse health effects have been observed or reported.

12.) ECOLOGICAL INFORMATION:

Ecotoxicological information: This product should be considered toxic to fish.

Chemical fate information: Readily biodegradable. Assessment derived from products with similar chemical character.

13.) DISPOSAL CONSIDERATIONS:

Waste disposal: Dispose of in accordance with national, state, and local regulations.

Container disposal: Dispose of in a licensed facility. Recommend crushing or other means to prevent unauthorized use of empty containers.

RCRA Hazard class (40 CFR 261): Not regulated

14.) TRANSPORTATION INFORMATION:

US Department of Transportation shipping name: Not regulated

Hazard class: Not regulated

Packing group: Not regulated

15.) REGULATORY INFORMATION:

Inventory status:

| | |
|--------------|-----|
| US / TSCA | Yes |
| Canada / DSL | Yes |

SARA hazard categories:

Section 311/312: Acute

Section 313: This does not contain chemicals subject to 313 reporting.

State regulations:

CA Prop. 65: To the best of our knowledge this product does not contain components that are regulated by California Proposition 65.

16.) OTHER:

HMIS rating:

| | | |
|-----------|-----------------|---------------|
| Health: 1 | Flammability: 1 | Reactivity: 0 |
|-----------|-----------------|---------------|

Disclaimer:

The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.