




Safety Data Sheet

1. Product Identifier and Company Identification

Product name	: Hillbest 25	
HBCC SDS number	: CH03500	
Synonym	: Smectite Clay; Saponite	
Product use and Restrictions	: Refer to label or call	
Manufacturer	: Corporate Headquarters	Corporate Safety & Compliance
Contact Address	Hill Brothers Chemical Company 1675 North Main Street Orange, California 92867 714-998-8800 800-821-7234	Hill Brothers Chemical Company 7121 West Bell Road, Suite 250 Glendale, Arizona 85308 623-535-9955 - Office 623-535-9944 - Fax
Emergency telephone Number (Chemtrec)	: 800-424-9300	
Website	: http://hillbrothers.com	

2. Hazard Identification

Classification	: Carcinogenicity: Category 1 Specific Target Organ Toxicity (Single Exposure): Category 3 Specific Target Organ Toxicity (Repeated Exposure): Category 1
Signal Word	: Danger
Pictogram(s)	: 
Hazard Statements	: H350: May cause cancer. H335: May cause respiratory irritation. H372: Causes damage to organs through prolonged or repeated exposure.
Precautionary Statements	
Response	: P308+P313: IF exposed or concerned: Get medical advice/attention. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312: Call a POISON CENTER or doctor if you feel unwell. P314: Get medical advice/attention if you feel unwell.
Prevention	: P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and

understood.

P280: Wear protective gloves, protective clothing, and eye and face protection.

P260: Do not breathe dust.

P271: Use only outdoors or in a well-ventilated area.

P264: Wash exposed skin thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

Storage : P405: Store locked up.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.

Disposal : P501: Dispose of contents/container in accordance with local, regional, national, and international regulations.

3. Composition/Information on Ingredients

CAS Number	Ingredient Name	Weight %
1319-41-1	Saponite	0-97
65997-01-5	Sodium Salt Tall Oil Rosin	<1
14808-60-7	Crystalline Silica	<3

4. First Aid Measures

Summary of First Aid Measures

Ingestion : Do not induce vomiting. Seek medical attention immediately. Never give anything by mouth unless instructed to do so by medical personnel.

Inhalation : Move victim to fresh air. Seek medical attention if necessary.

Skin : N/A

Eyes : Wear protective shield (safety glasses) when exposed to dust particles.

Medical Conditions : Respiratory ailments.

Effects of Overexposure : Nuisance dust, avoid chronic inhalation.

Summary of Acute Health Hazards : N/A

Ingestion : N/A

Inhalation : N/A

Skin : N/A

Eyes : N/A

Note to Physicians : N/A

Summary of Chronic Health : Most important chronic symptoms: This product contains crystalline silica, which has been classified by IARC as (Group 1) carcinogenic to humans when inhaled. Inhalation of silica can also cause chronic lung disorder, silicosis.

5. Fire Fighting Measures

- Extinguishing** : N/A
- Special Exposure Hazards** : N/A
- Special Protective** : N/A
- Fire Fighting Procedures** : N/A
- NFPA Rating** : Health - 1
Flammability - 0
Instability - 0



0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

- Uniform Fire Code Rating** : N/A

6. Accidental Release Measures

- Personal Precautions** : Wear respirator or dust mask to avoid inhalation of dust. Wet material may be very slippery.
- Emergency Procedures** : N/A
- Methods of Containment And Clean-Up** : Spilled powder may be shoveled or vacuumed.

7. Handling and Storage

- Safe Handling** : Avoid chronic inhalation of dust. Material may become very slippery when wet.

- Storage** : N/A
- Work/Hygienic Practices** : Avoid chronic inhalation of dust. Wash hands thoroughly with soap and water before eating, drinking, smoking or using toilet facilities. Do NOT place food, coffee or other drinks in the area where dusting or splashing of solutions is possible.
- Ventilation** : Adequate ventilation required to avoid chronic inhalation of dust.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits :

Chemical Name: Hillbest 25			
Exposure Limits (TWAs)			
CAS Number	Chemical	ACGIH TLV	OSHA PEL
1319-41-1	Saponite	10 mg/m ³	15 mg/m ³
14808-60-7	Crystalline Silica (respirable)	0.025 mg/m ³	10 mg/m ³

- Protective Equipment** : Protective gloves are recommended.
- Eye Protection** : Safety glasses or goggles.
- Respiratory** : Use appropriate NIOSH/ OSHA/MSHA approved respirators if airborne Concentrations exceed PELs.

9. Physical and Chemical Properties

Appearance: Beige powder; tan	Odor: Earthy odor
Odor Threshold: N/A	pH: 4-8 @ 25° C
Melting Point: N/A	Initial Boiling Point/Range: N/A
Flash Point: N/A	Evaporation Rate (BuAc=1): N/A
Flammability: Non-flammable	Lower/Upper Explosive Limit: N/A
Vapor Pressure (mmHg): N/A	Vapor Density (Air=1): N/A
Heat of Fusion: N/A	Solubility in Water: Insoluble in water
Decomposition Temperature: N/A	Relative Density: 1.9-2.4 g/cm ³
% Volatiles: N/A	Loose Bulk Density: N/A
Molecular Weight: N/A	VOC: N/A

10. Stability and Reactivity

- Reactivity** : Stable
- Chemical Stability** : Stable
- Possibility of Hazardous Reactions or** : Hazardous Polymerization will not occur

Polymerizations

Conditions to Avoid : Avoid chronic inhalation of dust. Wet material may become slippery.

Incompatible Materials : N/A

Hazardous Decomposition Products : None

11. Toxicological Information

Acute and Chronic Effects : N/A

Routes of Exposure

Ingestion : No
Inhalation : Yes
Skin : No
Eyes : No

Symptoms related to Physical, Chemical & Toxicological Characteristics : N/A

Numerical Measures of Toxicity : N/A

Chronic Toxicity : N/A

Carcinogenicty : Smectite is not listed by MSHA, OSHA or IARC as a carcinogen. However, This product may contain trace amounts of crystalline silica in the form of Quartz. Quartz has been classified by IARC as a Group 1 carcinogen to Humans when inhaled. Inhalation of silica can also cause a chronic lung Disorder (silicosis).

Product Name: Hillbest 25					
ACGIH	IARC	EPA	NIOSH	NTP	OSHA
Yes	Yes	No	Yes	Yes	Yes

TARGET ORGANS : N/A

12. Ecological Information

Ecotoxicity : N/A

Persistence and Degradability : N/A

Bioaccumulative Potential :

Product/Ingredient	Log _{pow}	BCF	Potential
-	-	-	-

Mobility in Soil : N/A

13. Disposal Considerations

Disposal of Container : Solid waste disposal. Not suitable for incineration, chemical, or biological degradation. Disposal must be done in accordance with Local, State, and Federal regulations.

14. Transport Information

This product is not regulated as a hazardous material, substance or dangerous good.

15. Regulatory Information

SARA 302 Extremely Hazardous Substances (EHS):

No chemical in this product is listed as an Extremely Hazardous Substance (EHS) under Section 302 of EPCRA.

SARA 304 Extremely Hazardous Substances (EHS) Release Notification:

No chemical in this product is listed as an Extremely Hazardous Substance (EHS) which, if released to the environment in quantities at or above the substance's Reportable Quantity (RQ), would require reporting to the SERC and LEPC under Section 304 of EPCRA.

SARA 311/312 Hazards:

SARA 311/312 Hazards				
Acute	Chronic	Flammability	Pressure	Reactivity
No	Yes	No	No	No

SARA 313 Reportable Chemicals:

No chemical in this product is subject to annual emissions, transfers, or waste management reporting under the Community-Right-to-Know provisions of EPCRA Section 313, also known as the Toxic Release Inventory (TRI) Report or Form R.

CERCLA Hazardous Substances:

No chemical in this product is listed as a CERCLA hazardous substance subject to the National Response Center (NRC) release reporting requirements.

Clean Air Act (CAA) Section 112(r) Air Pollutants:

No chemical in this product is listed as an air pollutant under the U.S. Clean Air Act, Section 112(r) (40 CFR 61).

California Prop 65 Chemicals:

WARNING: This product contains the following chemical(s) listed under California Proposition 65, which are chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Crystalline Silica, CAS #14808-60-7

Hazard Label Warning:

This product does not require hazard label warnings.

TSCA (Toxic Substances Control Act):

All chemical substances in this product are listed on the U.S. TSCA Inventory List.

ACRONYMS:

CAS # – Chemical Abstract Services Registry Number
CFR – Code of Federal Regulations
CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act
EPCRA – Emergency Planning and Community Right-to-Know Act
LEPC – Local Emergency Planning Committee
SERC – State Emergency Response Commission

16. Other Information

Revision date : 10/21/2016
Supersedes : 10/19/2016
First Issue : 07/06/1988

Chemical Family/Type : N/A

Section(s) changed since last revision : Sections 3, 8

IMPORTANT! Read this SDS before use or disposal of this product. Pass along the information to employees and any other persons who could be exposed to the product to be sure that they are aware of the information before use or other exposure. This SDS has been prepared in accordance with the Globally Harmonized System of Chemical and Labeling of Chemicals (GHS) Fifth Edition and the OSHA Hazard Communication Standard [29 CFR 1910.1200]. The SDS information is based on sources believed to be reliable. Available data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control; **Hill Brothers Chemical Company** makes no warranty, either expressed or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. Additional information may be necessary or helpful for specific conditions and circumstances of use. It is the user's responsibility to determine the suitability of this product and to evaluate risks and exercise appropriate precautions for protection of employees and others prior to use.