



SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: WESTCO™ HB-630

Other means of identification

Chemical Name: Hydrolysis products of 1,1,1-trimethyl-N-(trimethylsilyl)silanamine with silica
Synonyms: Hydrophobic fumed silica

Recommended use and restrictions on use

Recommended use: Coating, reinforcing agent.
Restrictions on use: No additional information available.

Supplier information

Supplier: Western Reserve Chemicals
Supplier Address: 4837 Darrow Road,
Stow, OH 44224 USA
Telephone: 330-650-2244
Fax: 330-650-2255
Website: www.wrchem.com

Emergency phone number: Chemtrec: 1-800-424-9300 US

SECTION 2 – HAZARD(S) IDENTIFICATION

GHS Classification according to OSHA Hazard Communication Standard, 29 CFR 1910.1200:

This product is not considered a "Hazardous Chemical" as defined by OSHA HCS 29 CFR 1910.1200.

GHS Label Elements

Hazard Symbol: None
Signal word: None
Hazard statements: None
Precautionary statements: None

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Substance/mixture: Substance

Chemical Identity	CAS Number	Weight%
Hydrolysis products of 1,1,1-trimethyl-N-(trimethylsilyl)silanamine with silica	68909-20-6	>99.8

SECTION 4 – FIRST AID MEASURES

Inhalation: Move victim to fresh air in case of accidental inhalation and place in a position comfortable for breathing. When symptoms persist or in all cases of doubt, seek medical advice.

Ingestion: Rinse mouth out and give water to drink. Seek medical attention. Never give anything by mouth to an unconscious or convulsing victim. Do not induce vomiting unless directed to do so by qualified medical personnel.

Skin contact: Thoroughly wash skin with plenty of soap and water. Seek first aid or medical attention as needed. A safety shower should be located in the immediate work area. Remove contaminated clothing and shoes. Wash clothing before reuse.

Eye contact: Flush eyes thoroughly with plenty of water for several minutes. Remove contact lenses (if applicable and safe/easy to do so). Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed: The most important known symptoms and effects are described in the labeling. (See Section 2 and/or Section 11).

Potential acute health effects:

Eye contact:	No specific data.
Inhalation:	No specific data.
Skin contact:	No specific data.
Ingestion:	No specific data.

Over-exposure signs/symptoms:

Eye contact:	No specific data.
Inhalation:	No specific data.
Skin contact:	No specific data.
Ingestion:	No specific data.

Indication of immediate medical attention and special treatment needed: Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable extinguishing method: In case of fire, use water spray, foam, dry chemical, carbon dioxide (CO₂).

Unsuitable extinguishing method: Do NOT use water jet. Avoid using methods that could generate dust clouds.

Fire Fighting Procedures: Keep people away. Isolate fire and deny unnecessary entry.



Special Protective Equipment for Firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves).

Unusual Fire and Explosion Hazards: Material is noncombustible substance, while electrostatic charge is possible in using. Ensure all equipment is well grounded.

Hazardous Combustion Products: Combustion products may be released in a fire including but are not limited to: carbon dioxide, carbon monoxide, organic products of decomposition.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Avoid dust formation. Do not breathe in dusts. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Methods and materials for containment and cleaning up:

Do not touch or walk through spilled material. Contain spilled material if possible. Sweep up or vacuum. Avoid generating dust clouds during cleanup. Collect in suitable and properly labeled containers. See Section 13, Disposal Considerations, for additional information.

Environmental Precautions: Prevent from entering into soil, drains, ditches, sewers, waterways, and/or groundwater. See Section 12 Ecological Information.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling:

Avoid dust formation. Avoid contact with the skin and eyes. Provide appropriate exhaust ventilation at places where dust is formed. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Keep away from heat and sources of ignition. Handle in accordance with good industrial hygiene safety practice. For personal protection, see Section 8.

Conditions for safe storage, including any incompatibilities:

Protect from heat and exposure to direct sunlight. Store tightly closed containers in a cool, dry, and well-ventilated area. Take measures to prevent the buildup of electrostatic discharge. Do not store with incompatible materials.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits



exposure limit for dust - Respirable particles.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (03 2016)
exposure limit for dust - Inhalable particles.	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (03 2016)

Appropriate engineering controls:

Use only with adequate general or local exhaust ventilation to maintain airborne concentration below TLV.

Individual protection measures, such as personal protective equipment:

Respiratory protection:

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use.

Eye/face protection:

Safety glasses (with side shields).

Skin and body protection:

Hand protection:

Consistent with general hygienic practice for any material, skin contact should be avoided. Use impervious, chemically-resistant gloves to protect from mechanical injury (abrasion) and irritation. Selection of gloves will depend upon the specific task being performed.

Other protection:

Clean, impervious, chemically-resistant, body-covering clothing (long trousers, long sleeves or gloves, etc.) should be used. Contaminated work clothes should not be allowed out of the work place.

Hygiene measures:

General industrial hygiene practice. Do not consume or store food or drink in the work area. Wash hands before smoking, drinking, or eating. Wash contaminated clothing before reuse.

Environmental exposure controls: Prevent from entering into soil, drains, ditches, sewers, waterways, and/or groundwater.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Solid powder
Color:	White
Odor:	Odorless
pH:	3.4-4.5
Boiling Point :	~2300°C
Melting Point:	~1700°C
Flash Point (°C):	No data available



Evaporation rate:	Not applicable
Flammability (solid/gas):	Not determined
Lower explosion limit:	Not determined
Upper explosion limit:	Not determined
Vapor Pressure:	No data available
Density:	2.2 (g/cm ³ (20°C))
Solubility:	Virtually insoluble in water.
Partition Coefficient: (n-octanol/water)	Not determined
Auto-ignition Temperature:	Not determined
Decomposition Temperature:	Not determined
Oxidizing properties:	Not determined
Explosive properties:	Not to be expected
Viscosity:	Not applicable

SECTION 10 - STABILITY & REACTIVITY

Reactivity: No dangerous reactions known under conditions of normal use.

Chemical stability: Stable under recommended storage conditions. See Section 7.

Possibility of hazardous reactions: No hazardous reactions are known if properly handled and stored.

Conditions to avoid: Avoid electro-static discharge. Avoid generating dust clouds. Hydrophobic properties disappear at temperatures >300°C.

Incompatible materials: Keep away from hydrofluoric acid (HF).

Hazardous decomposition products: None known.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity:

Oral: LD 50 (Rat): > 5,000 mg/kg comparable product

Skin Irritation/Corrosion: Not irritating (Rabbit)

Eye Damage/Irritation: Not irritating (Rabbit)

Respiratory or Skin Sensitization: Not known

Reproductive Toxicity: No evidence of reproductive toxic properties



Germ cell Mutagenicity: No data available

Carcinogenicity: Contains no carcinogenic substances as defined by NTP, IARC and or OSHA.

STOT-single exposure: No data available

STOT-repeated exposure: No data available

Aspiration hazard: Not classified

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

SECTION 13 - DISPOSAL CONSIDERATIONS

This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Product

Methods of disposal:

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation. Disposal should be accordance with Federal, State and Local chemical and waste disposal regulations. Regulations may vary in different jurisdiction. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

Packaging

Methods of disposal:

Contaminated packaging: Empty remaining contents. Packaging material should be recycled or disposed of in accordance with federal, state and local regulations.

SECTION 14 - TRANSPORTATION INFORMATION

49 CFR U.S. DOT Classification: Not regulated as a dangerous good.



ICAO/IATA (Air)-DGR: Not regulated as a dangerous good.

IMO/IMDG (Maritime): Not regulated as a dangerous good.

SECTION 15 - REGULATORY INFORMATION

U.S.

TSCA Inventory Status: Listed as Active on the TSCA inventory.

SARA 311/312 Hazards: No SARA hazards.

SARA 313:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65:

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16 - OTHER INFORMATION

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