



MATERIAL SAFETY DATA SHEET

JH-S75 SILANE COUPLING AGENT

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name: JH-S75 Silane Coupling Agent
Supplier: Castle Chemicals Ltd, Peak House
6 Oxford Road, Altrincham, Cheshire WA14 2DY
Tel: +44 161 608 8800 Fax: +44 161 608 1910
Email: Info@castlechemicals.com

2. HAZARD IDENTIFICATION

For additional information on toxicity, please refer to Section 11.

3. COMPOSITION INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Active Ingredient Content %
Bis-[3-(triethoxysilyl)propyl] disulfide	56706-10-6	> 95%
Formula	$C_{18}H_{42}O_6S_2Si_2$	
EINECS#	260-350-7	

4. FIRST AID MEASURES

Oral Exposure	If swallowed, wash out mouth with water provided person is conscious. Get medical attention.
Inhalation Exposure	If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if ill effects persist.
Dermal Exposure	In case of contact, immediately wash skin with soap and copious amounts of water. Get medical attention if irritation or ill effects persist.
Eye Exposure	In case of contact, immediately flush eyes with water for at least 15 minutes. Get medical attention.

5. FIREFIGHTING MEASURES

Extinguishing Media	Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate alcohol-resistant foam.
Firefighting	Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Procedure of Personal Precaution	Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.
Methods For Cleaning Up	place in closed containers for disposal.
Environmental Precautions	Do not let product enter drains

7. HANDLING AND STORAGE

Handling	Normal measures for preventive fire protection
Storage	Suitable: Keep tightly closed. Store in a cool dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls	Safety shower and eye bath. Mechanical exhaust required.
Eye	Chemical safety goggles.
Respiratory	Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Hand	Compatible chemical-resistant gloves.
General Hygiene Measures	Wash contaminated clothing before reuse. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Color:	Light yellow
Form:	Clear liquid
Property	Value at Temperature or Pressure
Molecular Weight	474.82 AMU
pH	N/A
BP/BP Range	N/A
MP/MP Range	N/A
Flash Point	> 100 oC
SG/Density	1.03 g/cm ³ at 20 oC
Refractive Index	1.485 at 25 oC
Solubility	N/A

N/A = not available

10. STABILITY AND REACTIVITY

Stability	Stable.
Materials to Avoid:	Strong oxidizing agents.
Hazardous Decomp. Product	Hazardous Decomposition Products formed under fire: Carbon monoxide, Carbon dioxide, Sulfur oxides, Silicon oxide. Reacts with water to form: Ethanol
Hazardous Polymerization	Hazardous Polymerization: Will not occur

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Not available
Irritation and Corrosion	Skin Rabbit; No skin irritation Eyes Rabbit; No eye irritation
Chronic exposure IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Potential Health Effects	
Skin Contact:	May cause skin irritation.
Eye Contact:	May cause eye irritation.
Inhalation:	Material may be irritating to mucous membranes and upper respiratory tract.
Ingestion:	May be harmful if swallowed

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Product:	Observe all federal, state, and local environmental regulations.
Contaminated Packaging:	Dispose of as unused product

14. TRANSPORT INFORMATION

Not dangerous goods

15. REGULATORY INFORMATION

This product does not need to be labelled in accordance with EC directives or respective national laws

16. OTHER INFORMATION

Disclaimer
Warranty

For R&D use only. Not for drug, household or other uses. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Castle Chemicals Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.

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