Product Code: ChangFu® AN1632
Product Name: N-(3-trimethoxysilylpropyl) hexadecanamide
Date of issue: 2025-03-12
Version: 2.0

SECTION 1: Identification of the substance and of the company

1.1 GHS product identifier
Product name: N-(3-trimethoxysilylpropyl) hexadecanamide
Product number: ChangFu® AN1632
Use of the substance: Laboratory chemicals, synthesis of chemical compounds

1.2 Details of the supplier
Company: Hubei ChangFu Chemical Co., Ltd.
Address: No. 2 Dongfeng Avenue, Wuhan Economic & Technology Development Zone, Hubei, China
Tel: +86-27-8439 6550

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Serious eye damage/eye irritation [Category 2]

2.2 GHS label elements
Pictogram(s):

Signal word: Warning
Hazard statement(s):
H319 - Causes serious eye irritation.

Precautionary statement(s):
P264 - Wash hands thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P235 - Keep in a cool place.
P501 - Dispose of contents/container to licensed waste disposal facility.

SECTION 3: Composition/information on ingredients

3.1 Substance

Name	CAS No.	Concentration Range (%)
N-(3-trimethoxysilylpropyl) hexadecanamide	862822-32-0	95~100

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures
General advice
Medical attention is required. Consult a doctor. Show this safety data sheet (SDS) to the doctor in attendance.

If inhaled
Remove victims to fresh air and keep at rest in a comfortable position for breathing. Get medical advice/attention.
In case of skin contact
Take off contaminated clothing immediately. Wash off with soap and plenty of water. Consult a doctor.
In case of eye contact
Rinse with pure water for at least 15 minutes. Consult a doctor.
If swallowed
Rinse your mouth with water. Do not induce vomiting. Call a doctor or Poison Control Center immediately.

4.2 Most important symptoms/effects, acute and delayed
No data available

4.3 Indication of immediate medical attention and special treatment needed, if necessary
No data available

SECTION 5: Fire-fighting measures

5.1 Extinguishing media
Suitable extinguishing media
Water spray. Foam. Carbon dioxide. Dry chemical.

5.2 Specific hazards arising from the substance
No data available

5.3 Special protective actions for fire-fighters
Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.
Do not enter the fire area without proper protective equipment, including respiratory protection.
Avoid contact with skin and eyes. Do not breathe dust.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Avoid dust formation. Avoid breathing mist, gas or vapors. Avoid contacting with skin and eye. Use personal protective equipment. Wear chemical impermeable gloves. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

6.2 Environmental precautions
Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 Methods and materials for containment and cleaning up
Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Sweep or shovel spills into appropriate containers for disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Avoid all eye and skin contact and do not breathe vapor and mist. Wash hands and other exposed areas with mild soap and

water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reusing.

7.2 Conditions for safe storage, including any incompatibility
Store the container tightly closed in a dry, cool and well-ventilated place. Store apart from foodstuff containers or incompatible materials.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
No data available

8.2 Appropriate engineering controls
Provide local exhaust or general room ventilation.

8.3 Individual protection measures, such as personal protective equipment (PPE)
Avoid all unnecessary exposure.
Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Skin protection
Wear fire/flame resistant and impervious clothing. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Respiratory protection
If the exposure limits are exceeded, irritation or other symptoms are experienced, use a full-faced respirator.

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Thermal hazards
No data available

SECTION 9: Physical and chemical properties

Physical state: Waxy solid
Color: White
Oduor: no data available
Melting/ freezing point: no data available
Boiling point: no data available
Flammability: no data available
Flash point: no data available
Solubility: no data available
Vapor pressure: no data available
Density and/or relative density: no data available
Relative vapor density: no data available

SECTION 10: Stability and reactivity

10.1 Reactivity
No data available.

10.2 Chemical stability
Stable under normal conditions.

10.3 Possibility of hazardous reactions
No data available.

10.4 Conditions to avoid
Heat, sparks and open flame.

10.5 Incompatible materials
Alcohol. Amines. Moisture. Peroxides. Oxidizing agent. Water.

10.6 Hazardous decomposition products
No data available.

SECTION 11: Toxicological information

Acute toxicity
Oral: no data available
Inhalation: no data available
Dermal: no data available

Skin corrosion/irritation: no data available
Serious eye damage/irritation: no data available
Respiratory or skin sensitization: no data available

SECTION 12: Ecological information

12.1 Toxicity
No data available

12.2 Persistence and degradability
No data available

12.3 Bioaccumulate potential
No data available

12.4 Mobility in soil
No data available

12.5 Other adverse effects
No data available

SECTION 13: Disposal considerations

13.1 Disposal methods
Product

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge the sewer systems.

Contaminated packaging
Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

SECTION 14: Transport information

14.1 UN number
Not dangerous goods.

14.2 UN proper shipping name
Not dangerous goods.

14.3 Transport hazard class(es)
Not dangerous goods.

14.4 Packing group, if applicable
Not dangerous goods.

15. Regulatory information
No data available

16. Other information
Disclaimer
This SDS only provides information on the safety of the use of the product to professionally trained users. The information in this SDS is based on our current knowledge and is used as a guide only and does not represent any guarantee as to the performance of the product. Users of the SDS must make their own judgment on the applicability of the SDS under special conditions of use. ChangFu Chemical shall not be liable for any damage caused by any handling or contact with the above products.

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