

MATERIAL SAFETY DATA SHEET

Revision Date 03/15/2019

1. PRODUCT AND COMPANY IDENTIFICATION

Trade name	HiSilicone A1021
Product name	Amidodimethylsiloxane
INCI. NAME	Amidodimethylsiloxane
Company	Shijiazhuang Hejia Chemical Products Co., Ltd, Rm 10-1303, Fangda Science Park, No.266 Tianshan Street, Shijiazhuang, HeBei 052165, China
Tel	86-311-89928201
Fax	86-311-89928209

2 HAZARDS IDENTIFICATION

Hazard Classification:	Not hazardous.
Label Elements Including Precautionary Statements Symbol:	None.
Hazard Risk Statement:	Not hazardous.
Precautionary Statement:	Do not breathe dust. Use in a well ventilated area.
Avoid contact with skin and eyes.	
IF in eyes:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Wear suitable protective clothing, gloves and eye/face protection.
IF on skin:	Wash with plenty of water and soap.
Other Hazard:	None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Substance

Ingredients:

Chemical Name:	<u>CAS No.</u>	<u>Conc .%</u>
Amidodimethylsiloxane	99904-16-2	88-100

Hazardous Ingredients:

<u>Chemical Name</u>	<u>CAS No.</u>	<u>% (w/w)</u>
Ammonia	7664-41-7	<1

4. FIRST AID MEASURES

- Eye:** Immediately flush with water. Get medical attention.
- Skin:** Remove from skin and wash thoroughly with soap and water or waterless cleanser. Get medical attention if irritation or other ill effects develop or persist.
- Inhalation:** Remove to fresh air. Get immediate medical attention. Not first should be needed.
- Oral:** Treat according to person's condition and specifics of exposure.
- Comments:**

5. FIRE-FIGHTING MEASURES

- Autoignition Temperature:** Not determined. Not
- Flammability limited in air:** determined.
- Extinguishing Media:** CO2 extinguisher, dry powder, sand and water are available in small fires. Dry-powder extinguisher and bubble extinguisher are available in big fires.
- Fire Fighting Measures:** Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Use water spray to keep fire exposed containers cool. Determine the need to evacuate or isolate the area according to your local emergency plan.
- None.

Unusual Fire Hazards:

Hazardous Decomposition Products

Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.

6. ACCIDENTAL RELEASE MEASURES

Containment/Clean up: Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protection equipment recommendations described in 8 and 10. For large spills, provide diking or other pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Clean area as

appropriate since some silicone materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur. Local, state, and federal laws and regulations may apply to releases and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable.

7. HANDLING AND STORAGE

- Handling:** Use with adequate ventilation. Avoid eye contact. Avoid breathing vapor. Keep container closed. Do not take internally. Wash your hands after handling, especially before having lunch.
- Storage:** Prevent a possible fire hazard by bonding and grounding or inert gas purge. Keep container closed and away from heat, sparks, and flame.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: No exposure limits

Personal Protection

Eyes: Use chemical worker's goggles.

Skin: Wash at mealtime and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended.

Inhalation: Use respiratory protection unless adequate local exhaust ventilation is provided or air sampling data show exposures are within recommended exposure guidelines. Industrial Hygiene Personnel can assist in judging the adequacy of existing engineering controls.

Use chemical worker's gloves.

Suitable Gloves: Organic Vapor/Dust/Mist Type. Personal Protective Equipment For Spills.

Suitable Respirator:

Note: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	liquid
Color:	Colorless to Light straw
Odor:	Amine-like odor
Specific Gravity (@ 25°C) :	0.960~0.980
Flash Point:	Min 212°F /Min100°C (Closed Cup)
Melting Point:	Not determined
Boiling Point:	200°C
Vapor Pressure@25°C:	Not determined.
Vapour Density (air=1):	Not determined.
Partition Coefficient(n-Octanol/Water):	soluble
Autoignition Temperature:	Not determined
Decomposition Temperature:	Not determined
Evaporation Rate:	Not determined
Flammability (Solid, Gas):	Not determined
PH:	Not determined

10. STABILITY AND REACTIVITY

Stability:	Stable.
Hazardous Polymerization:	Hazardous polymerization will not occur.
Conditions to Avoid:	None
Materials to Avoid:	Oxidizing material can cause a reaction

11. TOXICOLOGICAL INFORMATION

Sensitizing Effects:	None known.
Mutagenic Effects:	None known.
Reproductive Effects:	None known.

12. ECOLOGICAL INFORMATION

Aquatic and Terrestrial Ecotoxicity

Ecotoxicity Effects:	
Acute:	Complete information is not available
Chronic:	No adverse effects on aquatic organisms are predicted.

Fate and Effects in Waste

Water Treatment Plants:

No adverse effects on bacteria are predicted. The siloxanes in this product do not contribute to the BOD.

Environmental Effects

No adverse effects on aquatic organisms are predicted.

Fate and Effects in Waste Water treatment plants

No adverse effects on bacteria are predicted.

13. DISPOSAL CONSIDERATIONS

When a decision is made to discard this material, as received, it is not classified as a hazardous waste. No State or local laws may impose additional regulatory requirements regarding disposal.

14. TRANSPORT INFORMATION

OT Road shipment Information: Normal transport, Not subject to IATA regulations.

Ocean Shipment (IMDG): Normal transport, Not subject to ADR/RID.

Air Shipment (IATA): Normal transport, Not subject to IMDG code.

15. REGULATORY INFORMATION

“Regulations of Safe Use of Chemicals in Workplace”, Ministry of Chemical Industry, 1996, 20th, Dec.

Hazard items All components exempted.

16. OTHER INFORMATION

This information only concerns the above mentioned product as supplied and may not be valid if used with other product(s) or in any process. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product