

MATERIAL SAFETY DATA SHEET

Sodium Aluminosilicate.

1-. IDENTIFICATION OF THE SUBSTANCE AND THE MANUFACTURER COMPANY

Product Label Name:	Sodium Aluminosilicate
Trade Names	GELSIL AS-150
Chemical Family	Synthetic Amorphous Precipitated Aluminum Silicate
Supplier	Glassven Yangzhong Joint Venture LTD. Changwang Xi Road, Youfang Town, Yangzhong City, Jiangsu Province 212216 China.
Business Telephone	+58 244 321 23 53. +86 511 852 59 68 / 852 70 08
Emergency Telephone	+ 58 244 322 37 47 Fax 58 244 322 36 07

2-. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description	Synthetic Amorphous Sodium Aluminosilicate
Composition/ Information on Ingredients	Composition (typical) based on product calcined for two hours at the following temperature: 1005 °C: SiO ₂ : 82 % ; Na ₂ O : 8% ; Al ₂ O ₃ : 9,5%
Hazardous Components	Absent.
Other Information	CAS Number 1344-00-9 EINECS Number: 215-684-8 MITI: 1-33-26 ECI: KE-30974

3-. HAZARDS IDENTIFICATION

Critical Hazards	These products present minimum hazards under emergency circumstances.
Inhalation	Inhalation can cause irritation to respiratory system.
Eyes	Causes irritation to eyes.
Skin	May cause irritation and dehydration.
Ingestion	No adverse health effects anticipated by this route during proper industrial handling.
Safety Diamond	Flammability risk 0, Health risk 1, Reactivity risk 0, Specials risk --

4-. FIRST AID MEASURES

Inhalation	Move patient to fresh air. If symptoms persist seek medical advice.
Skin Contact	Wash skin with soap and water
Eyes Contact	Rinse thoroughly with water. Eyelids should be held away from the eyeball to ensure through rinsing. Seek medical advice if irritation develops.
Ingestion	No adverse health effects anticipated by this route during proper industrial handling. Rinse mouth with water. Do not induce vomiting

5-. FIRE – FIGHTING MEASURES

Flash Point	None
Flammable Limits In Air-Lower (%)	Not Applicable
Flammable Limits In Air-Upper (%)	Not Applicable
Extinguishing Media	Not Applicable.
Special Firefighting Procedures	Not Applicable.
Discharge	Take suitable precautions against the discharge of static electricity during handling operations.

6-. ACCIDENTAL RELEASE MEASURES

Personal Precautions	In case of dust formation use dust mask
Environmental Precautions	This product does not present any particular risk to the environment. Refer to applicable national, state and local regulations prior to washing in drain.
Methods for Clearing Up	Collect as much as possible in a clean container for preferable reuse or disposal. Avoid dust generation. Do not allow material to escape into drains or waterways.

7-. HANDLING AND STORAGE

Handling	<p>Wash thoroughly after using this product.</p> <p>Do not eat, drink, smoke or apply cosmetics while handling this product.</p> <p>Avoid breathing dust or particles generated by this product.</p> <p>Use in a well-ventilated location.</p> <p>Remove contaminated clothing after being in contact with the product.</p> <p>Employees who handle this material should be trained to handle it safely.</p> <p>Open containers slowly on a stable surface.</p> <p>Containers of this product must be properly labeled.</p> <p>Empty containers may contain residual amounts of this product, therefore, empty containers should be handled with care.</p>
Storage Requirements	<p>Store containers in a dry location.</p> <p>Store away from incompatible materials.</p> <p>Keep container tightly closed when not in use. Inspect all incoming containers before storage to ensure containers are properly labeled and not damaged.</p>

8-. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposures Limits:	
TLVs ACGIH	10 mg/m ³
UK EH 40/95	3 mg/m ³ respirable dust, 8 hours OES
	6 mg/m ³ total dust, 8 hours OES
PELs OSHA	80 mg/m ³ (TOTAL DUST) %SiO ₂ OR 20 mppcf
NIOSH REL : TWA	6 mg/m ³
DFG MAK	4 mg/m ³
QES:TWA	5 ; 10 mg/m ³
USA OSHA CFR 29 Part 1910.1000	6 mg/m
Ventilation and Engineering Controls	Use with adequate ventilation to ensure exposure levels are maintained below the limits provided in this section. Prudent practice is to ensure eye wash station/safety showers are near locations where this product is used or stored.

Personal Protection:	In case of dust formation use dust mask.
Respiratory Protection:	If respiratory protection is needed, such as during emergency response to uncontrolled releases, use only protection authorized in 29 CFR 1910.134, applicable U.S. State regulations or the appropriate standard of Canada and its provinces. Advice on respiratory protective equipment is given in British standards BS 2091 and BS 4275 and the HSE publication HS (g) 53. In the USA, ASTM E1156-88 (re-approved 1993) specifies standards practice for handling amorphous silicate
Hand Protection	Wear rubber gloves for routine industrial use.
Eye Protection	Splash goggles or safety glasses with side shields.
Skin and Body Protection	Use body protection appropriate for task.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.

9-. PHYSICAL AND CHEMICALS PROPERTIES

Appearance	Powder
Color	White
Odor	Odorless
Boiling Point/ Range	Not Applicable
Melting Point/ Range	Not Determined
Flash Point	Not Applicable
Flammability	Not Applicable
Explosive Properties	Not Applicable
Explosion Limits	Not Applicable
Oxidizing Properties	Not Applicable
Vapor Pressure	Not Applicable
Density	Variable
Bulk Density	Variable
Solubility in Water	Insoluble
Solubility in Other Solvents	Insoluble in most organic solvents
pH VALUE	9 – 11
Partition Coefficient N - Octanol/Water	Not Determined
Relative Vapor Density (Air=1)	Not Applicable
Viscosity	Not Applicable
Other Information	Volatile matter: 6 % moisture (2 hours- 105°C) Impurities: contains less than 2.0 % Na ₂ SO ₄

10-. STABILITY AND REACTIVITY

Stability	Product is stable
Condition to Avoid	None known
Materials to Avoid	Hydrofluoric acid
Hazardous Decomposition	None

11-. TOXICOLOGICAL INFORMATION

These product components are not found on the following lists:

U.S FEDERAL OSHA Z LIST

NTP

IARC

CAL/OSHA

And therefore are neither considered to be nor suspected to be cancer-causing agents by these agencies. Sodium aluminosilicate is a permitted food additive in the UK, USA and many other countries. It has been fully evaluated by the U.N Codex Alimentarius commission and given clearance for use as a food additive.

Mutagenicity , Embryotoxicity and Teratogenicity This product is not reported to produce mutagenic, embryotoxic, and teratogenic effects in humans.

Reproductive Toxicity This product is not reported to cause reproductive effects in humans.

Sensitization Information

The components of this product are not known to be sensitizers with repeated or prolonged use.

Animal Toxicity

LD₅₀ (ORAL ,RAT)= >10000 mg/kg
 LD₅₀ (ORAL,MICE) => 150000 mg/Kg

12.- ECOLOGICAL INFORMATION

Sodium aluminosilicate is virtually inert and has no known adverse effect on the environment.

Ecotoxicological Information

EC₀ : >1000 PPM (daphnia magna) (24-hours acute immobilization test)
 EC₀: >10000 PPM (rainbow trout) (4-days static study).
 EC₀: >10000 PPM (freshwater fish) (96-hours static acute toxicity study)

Ectotoxicity Data

LD₅₀ (CARP)= 10000 mg/ lt /72 hrs

13.- DISPOSAL CONSIDERATIONS

Product

Waste disposal in accordance with regulations (most probably controlled landfill).

Contaminated packaging

According to local regulations.

Classification under RCRA

This classification is not applicable for this product.

14.- TRANSPORT INFORMATION

Land

ADR Class: Not Restricted

ADR Item Number: Not Relevant

RID Class: Not Restricted

RID Item Number: Not Relevant

Hazard Identification N°: Not Relevant

Substance Identification N°: Not Relevant

TREM-Card: Not Relevant

UN Number : None

Proper Shipping Name: Not Relevant

SEA TRANSPORT:

IMO/IMDG CODE

Class Not Restricted

Packing Group: Not Relevant

UN Number: None

EMS: Not Relevant

MFAG: Not Relevant

Marine

No

Pollutant:

Proper Shipping Name: Not Relevant

Packing Group: Not Relevant

AIR:

ICAO-TI/ IATA- DGR

UN Number: None

CLASS: Not restricted

Packing Group: Not Relevant

Proper Shipping Name:: Not Relevant

Other Information:

Basic Shipping Classification Not Relevant

15.- REGULATORY INFORMATION

SARA 313

Synthetic Sodium Aluminosilicate.is not listed on the SARA 313.

TSCA (USA), AICS (Australia), DSL (Canadá)

Synthetic Sodium Aluminosilicate is listed in TSCA, AICS, DSL under CAS N° 1344-00-9 Sodium Aluminosilicate

Identification According To EEC Directives

Synthetic Sodium Aluminosilicate is not classified as dangerous according to the rules of 67/548/EEC as amended by 92/32/EEC.

EC LABELLING:

This product is not classified as dangerous according to Directive 1999/45/EC and no warning label is required.

FOOD CHEMICAL CODEX

Sodium Aluminosilicate



MR-16-001
Rev. 03

E number 554
HARMONIZED TARIFF CODE 2842.1000

NATIONAL CHEMICAL INVENTORY LISTING:

AUSTRALIA AICS:	Sodium Aluminosilicate 1344-00-9
CANADA DSL / NDSL:	Sodium Aluminosilicate 1344-00-9
EUROPA EINECS:	Sodium Aluminosilicate 215-684-8
JAPAN ENCS:	Sodium Aluminosilicate 1-26, 1-508
KOREA KECI:	Sodium Aluminosilicate KE-30974
UNITED STATES TSCA:	Sodium Aluminosilicate 1344-00-9

16-. OTHER INFORMATION

This information only concerns the above-mentioned product and does not need to be valid if used with other product(s) or in any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. it remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.

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