

Safety Data Sheet

In accordance with GB/T 16483-2008, GB/T 17519-2013

ADESILEX G19 SF PART B

Safety Data Sheet dated: 18/08/2020 - version 1

Date of first edition: 18/08/2020



1. Chemical Product and company Identification

Product identifier

Mixture identification:

Trade name: ADESILEX G19 SF PART B

Trade code: 903GM9999

Registration Number N/A

Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Hardener for epoxy-polyurethane based adhesives or sealants

Uses advised against: Not available

Details of the supplier of the safety data sheet

Company: MAPEI CHINA - Mapei Costruction Materials (Guangzhou) co. Ltd

Hong Fu Loi International Building - Rm. 2003-2004, Yan Jiang Zhong Road

Guangzhou P.R. China

enquiry@mapei.com.cn

Emergency telephone number

Phone: 86-20-83653489 - Fax: 86-20-83653481 - (office hours)

2. Hazards identification



Emergency overview:

Not available

Classification of the substance or mixture

Acute Tox. 4	Harmful if swallowed.
Acute Tox. 5	May be harmful in contact with skin
Skin Corr. 1B	Causes severe skin burns and eye damage.
Eye Dam. 1	Causes serious eye damage.
Skin Sens. 1B	May cause an allergic skin reaction.
Aquatic Chronic 3	Harmful to aquatic life with long lasting effects.

Label elements

Pictograms and Signal Words



Danger

Hazard statements:

H302	Harmful if swallowed.
H313	May be harmful in contact with skin
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements:

P260	Do not breathe mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER.
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P302+P352	IF ON SKIN: Wash with plenty of water.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER if you feel unwell.
P321	Specific treatment (see supplementary instructions on this label)
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P405	Store locked up.
P501	Dispose of contents/container in accordance with applicable regulations.

Hazards identification:

- Physical hazards: Not available
- Health hazards: Not available
- Environmental hazards: Not available

Other hazards

No PBT/vPvB Ingredients are present

Other Hazards: No other hazards

3. Composition/information on ingredients

Substances

Not available

Mixtures

Mixture identification: ADESILEX G19 SF PART B

List of components

Concentration (% w/w)	Name	Ident. Numb.	Classification	Registration Number
≥50 - <75 %		CAS:2855-13-2 EC:220-666-8 Index:612-067-00-9	Acute Tox. 4, H312; Acute Tox. 4, H302; Skin Corr. 1B, H314; Eye Dam. 1, H318; Skin Sens. 1, H317; Aquatic Chronic 3, H412	01-2119514687-32-xxxx
≥20 - <25 %	2,4,6-tris(dimethylaminomethyl)phenol	CAS:90-72-2 EC:202-013-9	Skin Corr. 1C, H314; Eye Dam. 1, H318; Skin Sens. 1B, H317	01-2119560597-27-XXXX
≥2.5 - <5 %		CAS:71074-89-0 EC:275-162-0	Skin Corr. 1C, H314; Skin Sens. 1B, H317	

4. First aid measures

Description of first aid measures

In case of skin contact:

- Immediately take off all contaminated clothing.
- OBTAIN IMMEDIATE MEDICAL ATTENTION.
- Remove contaminated clothing immediately and dispose of safely.
- After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

- After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
- Protect uninjured eye.

In case of Ingestion:

- Give nothing to eat or drink.

In case of Inhalation:

- Remove casualty to fresh air and keep warm and at rest.

Most important symptoms and effects, both acute and delayed

- Eye irritation
- Eye damages
- Skin Irritation
- Erythema

Advices for first aid responders

Not available

Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
(see paragraph 4.1)

5. Firefighting measures

Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

None in particular.

Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Advice for firefighters and protective measures

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

See also section 8 and 13

Precautionary measures to prevent the occurrence of secondary hazard

Not available

7. Handling and storage

Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

Conditions for safe storage, including any incompatibilities

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

8. Exposure controls/personal protection

Control parameters

No data available

Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Use adequate protective respiratory equipment.

Hygienic and Technical measures

Not available

Appropriate engineering controls:

Not available

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state: Liquid

Appearance and colour: liquid transparent

Odour: ammonia

Odour threshold: Not available

pH: 11,00

Melting point / freezing point: Not available

Initial boiling point and boiling range: 127 °C (261 °F)

Flash point: 100 °C (212 °F)

Evaporation rate: Not available

Upper/lower flammability or explosive limits: Not available

Vapour density: Not available

Vapour pressure: Not available

Relative density: 0,98 g/cm³

Solubility in water: partly soluble

Solubility in oil: Not available

Partition coefficient (n-octanol/water): Not available

Auto-ignition temperature: Not available

Decomposition temperature: Not available

Viscosity: 80,00 mPA-s

Explosive properties: Not available

Oxidizing properties: Not available

Solid/gas flammability: Not available

Volatile Organic compounds - VOCs = Not available

Other information

Substance Groups relevant properties Not available

Miscibility: Not available

Conductivity: Not available

10. Stability and reactivity

Chemical stability

Data not available.

Possibility of hazardous reactions

None.

Conditions to avoid

Stable under normal conditions.

Incompatible materials

None in particular.

Hazardous decomposition products

None.

11. Toxicological information

Information on toxicological effects

Toxicological information of the mixture:

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

Toxicological information on main components of the mixture:

a) acute toxicity	LC50 Inhalation Dust Rat > 5.01 mg/l 4h
	LD50 Oral Rat = 1030 mg/kg
	LD50 Skin Rat > 2000 mg/kg
	LD50 Oral Rat = 1030 mg/kg
	LD50 Skin Rat > 2000 mg/kg

2,4,6-
tris
(dimethylaminomethyl)
phenol

a) acute toxicity

LD50 Oral Rat = 2169 mg/kg

LD50 Skin Rat = 1280 mg/kg

LD50 Oral Rat = 1200 mg/kg

If not differently specified, the information required in the regulation and listed below must be considered as N.A.

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitisation
- e) germ cell mutagenicity
- f) carcinogenicity
- g) reproductive toxicity
- h) STOT-single exposure
Toxicological kinetics, metabolism
and distribution information
- i) STOT-repeated exposure
- j) aspiration hazard
Toxicological kinetics, metabolism
and distribution information

12. Ecological information

Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

Harmful to aquatic life with long lasting effects.

List of components with eco-toxicological properties

Component	Ident. Numb.	Ecotox Infos
	CAS: 2855-13-2 - EINECS: 612-067- 00-9 - INDEX: 220- 666-8	a) Aquatic acute toxicity : LC50 Fish = 110 mg/L 96 a) Aquatic acute toxicity : EC50 Daphnia = 23 mg/L 48 a) Aquatic acute toxicity : EC50 Daphnia = 388 mg/L 48 a) Aquatic acute toxicity : EC50 Algae > 50 mg/L 72 b) Aquatic chronic toxicity : NOEC Daphnia = 3 mg/L - 21 d a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna 14.6 mg/L 48h EPA a) Aquatic acute toxicity : EC50 Algae Desmodesmus subspicatus = 37 mg/L 72h IUCLID
2,4,6- tris(dimethylaminomethyl)phenol	CAS: 90-72-2 - INDEX: 202-013-9	a) Aquatic acute toxicity : LC50 Fish = 222 mg/L 24 a) Aquatic acute toxicity : LC50 Fish = 249 mg/L 24 a) Aquatic acute toxicity : LC50 Fish = 175 mg/L 96 a) Aquatic acute toxicity : EC50 Daphnia = 718 mg/L 96 a) Aquatic acute toxicity : EC50 Algae = 84 mg/L 72 b) Aquatic chronic toxicity : NOEC Algae = 6.25 mg/L

Persistence and degradability

Not available

Bioaccumulative potential

Not available

Mobility in soil

Not available

Other adverse effects

Not available

13. Disposal considerations

Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Recover if possible.

Methods of disposal:

Disposal of this product, solutions, packaging and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor.

Do not dispose of waste into sewers.

Disposal considerations:

Do not allow to enter drains or watercourses.

Dispose of product according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions. For further information, contact your local waste authority.

Special precautions:

This material and its container must be disposed of in a safe way. Care should be taken when handling untreated empty containers.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Empty containers or liners may retain some product residues. Do not re-use empty containers.

14. Transport information

UN number

2735

UN proper shipping name

ADR-Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. ()

IATA-Technical name: AMINES, LIQUID, CORROSIVE, N.O.S. ()

IMDG-Technical name: AMINES, LIQUID, CORROSIVE, N.O.S. ()

Transport hazard class(es)

ADR-Class: 8

IATA-Class: 8

IMDG-Class: 8

Packing group

ADR-Packing Group: III

IATA-Packing group: III

IMDG-Packing group: III

Environmental hazards

Marine pollutant: No

Environmental Pollutant: No

Special precautions for user

Road and Rail (ADR-RID) :

ADR exempt: No

ADR-Label: 8

ADR-Hazard identification number: 80

ADR-Special Provisions: 274

ADR-Transport category (Tunnel restriction code): 3 (E)

Air (IATA) :

IATA-Passenger Aircraft: 852

IATA-Cargo Aircraft: 856

IATA-Label: 8

IATA-Subsidiary hazards: -

IATA-Erg: 8L

IATA-Special Provisioning: A3 A803

Sea (IMDG) :

IMDG-Stowage Code: Category A

IMDG-Stowage Note: SG35 SGG18

IMDG-Subsidiary hazards: -

IMDG-Special Provisioning: 223 274

IMDG-Page: N/A

IMDG-Label: N/A

IMDG-EMS: F-A, S-B

IMDG-MFAG: N/A

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Chemical classification, hazard labelling and precautionary statements according to GB30000.2-2013 ~ GB30000.29-2013.

Catalogue of Hazardous Chemicals:

Substance(s) listed under Catalogue of Hazardous Chemicals:

	2855-13-2
2,4,6-tris(dimethylaminomethyl)phenol	90-72-2
	71074-89-0

Catalogue of Highly Toxic Chemicals:

Substance(s) listed under Catalogue of Highly Toxic Chemicals:

No substance(s) listed.

16. Other information

Safety Data Sheet dated: 18/08/2020 - version 1

This document was prepared by a competent person who has received appropriate training.

This SDS complies with "Safety data sheet for chemical product – Content and order of sections" (GB/T 16483-2008) and "Guidance on the compilation of safety data sheet for chemical products" (GB/T 17519-2013). The classification of the product in this SDS complies with "Rules for classification and labelling of chemicals" (GB30000.2-2013 ~ GB30000.29-2013).

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

CMR: Carcinogenic, Mutagenic and Reprotoxic

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report

DMEL: Derived Minimal Effect Level

DNEL: Derived No Effect Level.

DPD: Dangerous Preparations Directive

DSD: Dangerous Substances Directive

EC50: Half Maximal Effective Concentration

ECHA: European Chemicals Agency

EINECS: European Inventory of Existing Commercial Chemical Substances.

ES: Exposure Scenario

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
IC50: half maximal inhibitory concentration
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG: International Maritime Code for Dangerous Goods.
INCI: International Nomenclature of Cosmetic Ingredients.
IRCCS: Scientific Institute for Research, Hospitalization and Health Care
KSt: Explosion coefficient.
LC50: Lethal concentration, for 50 percent of test population.
LD50: Lethal dose, for 50 percent of test population.
LDLo: Leathal Dose Low
N.A.: Not Applicable
N/A: Not Applicable
N/D: Not defined/ Not available
NA: Not available
NIOSH: National Institute for Occupational Safety and Health
NOAEL: No Observed Adverse Effect Level
OSHA: Occupational Safety and Health Administration.
PBT: Persistent, Bioaccumulative and Toxic
PGK: Packaging Instruction
PNEC: Predicted No Effect Concentration.
PSG: Passengers
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
TLV: Threshold Limiting Value.
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
vPvB: Very Persistent, Very Bioaccumulative.
WGK: German Water Hazard Class.

Disclaimer:

The information in this SDS is provided all the relevant data fully and truly. However, the information is provided without any warranty on their absolute extensiveness and accuracy. This SDS was prepared to provide safety preventive measures for the users who have got professional training. The personal user who obtained this SDS should make independent judgment for the applicability of this SDS under special conditions. In these special cases, we do not assume responsibility for the damage.