Safety Data Sheet
In accordance with GB/T 16483-2008, GB/T 17519-2013
DURSILITE AP
Safety Data Sheet dated: 27/05/2020 - version 1
Date of first edition: 27/05/2020

1. Chemical Product and company Identification

Product identifier

Mixture identification:

Trade name: DURSILITE AP
Trade code: 906DH9990
Registration Number N/A

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

Recommended use: Water dispersion synthetic resin based paint
Uses advised against: Data 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

Aquatic Acute 2	Toxic to aquatic life
Aquatic Chronic 3	Harmful to aquatic life with long lasting effects.

Label elements

Hazard statements:

H401	Toxic to aquatic life
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements:

P273	Avoid release to the environment.
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: DURSILITE AP

List of components

Concentration (% w/w)	Name	Ident. Numb.	Classification	Registration Number
≥1 - <2.5 %	2,2' -oxybisethanol; diethylene glycol	CAS:111-46-6 EC:203-872-2 Index:603-140-00-6	Acute Tox. 4, H302; STOT RE 2, H373	01-2119457857-21-XXXX

≥0.1 - <0.25 % zinc pyrithione	CAS:13463-41-7 EC:236-671-3	Acute Tox. 3, H301; Acute Tox. 3, H331; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410, M-Chronic:10, M-Acute:100

4. First aid measures

Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

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

Most important symptoms and effects, both acute and delayed

Not available

Advices for first aid responders

Not available

Indication of any immediate medical attention and special treatment needed

Not available

(see paragraph 4.1)

5. Firefighting measures

Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO_2).

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:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Not needed for normal use.

Respiratory protection:

Not available

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: paste various

Odour: typical

Odour threshold: Not available

pH: 9.00

Melting point / freezing point: Not available

Initial boiling point and boiling range: Not available

Flash point: Not available

Evaporation rate: Not available

Upper/lower flammability or explosive limits: Not available

Vapour density: Not available

Vapour pressure: Not available

Relative density: 1.60 g/cm3

Solubility in water: dispersible

Solubility in oil: Not available

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

Auto-ignition temperature: Not available

Decomposition temperature: Not available

Viscosity: Not available

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:

2,2' -oxybisethanol; diethylene glycol	a) acute toxicity	LC50 Inhalation Rat > 4,6 mg/l 4h
		LD50 Skin Rabbit > 2000 mg/kg
		LD50 Skin Rabbit = 11890 mg/kg
		LC50 Inhalation Rat > 4600 mg/m3 4h
		LD50 Oral Rat = 12565 mg/kg
	g) reproductive toxicity	NOAEL Oral Mouse = 3060,00000 mg/kg
		NOAEL Oral Rabbit = 1000,00000 mg/kg
zinc pyrithione	a) acute toxicity	LD50 Skin Rabbit = 100 mg/kg
		LD50 Oral Rat = 177 mg/kg
		LC50 Inhalation Rat 0,05 mg/l 4h
		LD50 Skin Rabbit = 100 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:

Toxic to aquatic life

Harmful to aquatic life with long lasting effects.

List of components with eco-toxicological properties

Component	Ident. Numb.	Ecotox Infos
2,2' -oxybisethanol; diethylene glycol	CAS: 111-46-6 - EINECS: 203-872-2 - INDEX: 603-140-00-6	a) Aquatic acute toxicity : LC50 Fish > 100 mg/L 96

		a) Aquatic acute toxicity : EC50 Daphnia > 100 mg/L 24 a) Aquatic acute toxicity : EC50 Algae > 100 mg/L - 8 d b) Aquatic chronic toxicity : NOEC Fish > 100 mg/L - 7 d b) Aquatic chronic toxicity : NOEC Daphnia > 100 mg/L - 7 d e) Plant toxicity : EC50 = 11779 mg/kg b) Aquatic chronic toxicity : NOEC Algae = 2700 mg/L - 8 d a) Aquatic acute toxicity : LC50 Fish Pimephales promelas = 75200 mg/L 96h EPA a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna = 84000 mg/L 48h IUCLID
zinc pyrithione	CAS: 13463-41-7 - EINECS: 236-671-3	G : LD50 Avian Colinus virginianus = 64 mg/kg NZ_CCID

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

Recover if possible. In so doing, comply with the local and national regulations currently in force.

14. Transport information

Not classified as dangerous in the meaning of transport regulations.

UN number

Not available

UN proper shipping name

Not available

Transport hazard class(es)

Not available

Packing group

Not available

Environmental hazards

Not available

Special precautions for user

Not available

Road and Rail (ADR-RID) :

Not available

Air (IATA) :

Not available

Sea (IMDG) :

Not available

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:

2,2' -oxybisethanol; diethylene glycol	111-46-6
zinc pyrithione	13463-41-7

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: 27/05/2020 - 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.