

V-500 - Comp. A

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

V-500, Chemical Anchor, Comp. A.

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

1.2.1 Use of the substance/mixture

Anchoring of threaded rods or reinforcing bars into concrete (A-component, resin).

1.2.2 Uses advised against

No restriction.

1.3 Details of the supplier of the safety data sheet

Company name: Sozeri Industry Co. Inc.
Street: Ankara-Izmir Road Turgutlu 8. Km
Place: Manisa/Turkey
Telephone: +90 (212) 276 62 62
Internet: www.tic-m.com
Email: info@tic-m.com

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Regulation (EC) No. 1272/2008

Hazard categories:

Respiratory or skin sensitization: Skin Sens. 1

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

May cause an allergic skin reaction.

Harmful to aquatic life with long lasting effects.

2.2 Label elements

2.2.1 Regulation (EC) No. 1272/2008

Hazard components for labelling

Tetramethylene dimethacrylate;

Ethylene dimethacrylate;

Methacrylic acid, monoester with propane-1,2-diol;

Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]

Signal word: Warning

Pictograms:



Hazard statements

- H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

- P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of the reach of children.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

2.3 Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
2082-81-7	Tetramethylene dimethacrylate			5 - < 15 %
	218-218-1		01-2119967415-30	
	Skin Sens. 1B; H317			
25013-15-4	Vinyltoluene			1 - < 6 %
	246-562-2		01-2119622074-50	
	Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 3; H226 H332 H315 H319 H412			
97-90-5	Ethylene dimethacrylate			1 - < 5 %
	202-617-2	607-114-00-5	01-2119965172-38	
	Skin Sens. 1, STOT SE 3; H317 H335			
27813-02-1	Methacrylic acid, monoester with propane-1,2-diol			< 2,5 %
	248-666-3		01-2119490226-37	
	Eye Irrit. 2, Skin Sens. 1; H319 H317			
6846-50-0	1-Isopropyl-2,2-dimethyltrimethylene Diisobutyrate			< 0,5 %
	229-934-9		01-2119451093-47	
	Repr. 2, Aquatic Chronic 3; H361d H412			
-	Reaction mass of 2,2'-[[4-methylphenyl] imino] bisethanol and Ethanol 2-[[2-(2-			< 0,5 %

	hydroxyethoxy) ethyl] (4-methylphenyl) amino]		
	911-490-9		01-2119979579-10
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Chronic 3; H302 H315 H318 H317 H412		
38668-48-3	1,1'-(p-Tolylimino) dipropan-2-ol		< 0,5 %
	254-075-1		01-2119980937-17
	Acute Tox. 2, Aquatic Chronic 3; H300 H412		
130-15-4	1,4-naphthoquinone		< 0,05 %
	204-977-6		01-2120760462-57
	Acute Tox. 2, Acute Tox. 3, Skin Corr. 1C, Eye Irrit. 2, Skin Sens. 1, STOT SE 3, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1 (M-Factor = 10); H330 H301 H314 H319 H317 H335 H400 H410		

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

4.1.1 General information

Take off immediately all contaminated clothing and wash it before reuse.

Get medical advice/attention if you feel unwell.

4.1.2 After inhalation

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

4.1.3 After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

4.1.4 After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

4.1.5 After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. Medical treatment necessary.

4.2 Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

5.1.1 Suitable extinguishing media

Foam
Extinguishing powder
Water spray jet
Carbon dioxide (CO₂)

5.1.2 Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

Pyrolysis products, toxic
Carbon monoxide

5.3 Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. In case of fire and/or explosion do not breathe fumes.

Additional information

Suppress gases/vapors/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

Use personal protective equipment as required. Provide adequate ventilation. Avoid contact with skin, eyes, and clothes.

6.2 Environmental precautions

Avoid release to the environment. Do not allow to enter surface water or drains.

6.3 Methods and material for containment and cleaning up

Collect spillage. Take up mechanically, placing in appropriate containers for disposal. Suitable material for taking up: Sand

Treat the recovered material as prescribed in the section on waste disposal.

Retain contaminated washing water and dispose it.

6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

7.1.1 Advice on safe handling

- Use only outdoors or in a well-ventilated area.
- Wear personal protection equipment (refer to section 8).
- Avoid contact with skin, eyes, and clothes.
- When using do not eat, drink, or smoke.
- Wash hands thoroughly after handling.
- Take off contaminated clothing and wash it before reuse.

7.2 Conditions for safe storage, including any incompatibilities

7.2.1 Requirements for storage rooms and vessels

Keep container tightly closed. Store in a place accessible by authorized persons only. Keep only in the original container in a cool, well-ventilated place.

7.2.2 Hints on joint storage

Do not use for products which come into contact with the food stuffs.

7.2.3 Further information on storage conditions

storage temperature: 5 - 25°C

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL/DMEL values

CAS No	Substance			
DNEL type	Exposure route	Effect	Value	
2082-81-7	Tetramethylene dimethacrylate			
Worker DNEL, long-term	inhalation	systemic	14,5 mg/m ³	
Worker DNEL, long-term	dermal	systemic	4,2 mg/kg bw/day	
Consumer DNEL, long-term	inhalation	systemic	4,3 mg/m ³	
Consumer DNEL, long-term	dermal	systemic	2,5 mg/kg bw/day	
Consumer DNEL, long-term	oral	systemic	2,5 mg/kg bw/day	
25013-15-4	Vinyltoluene			
Worker DNEL, long-term	inhalation	systemic	37 mg/m ³	
Worker DNEL, acute	inhalation	systemic	37 mg/m ³	
Worker DNEL, long-term	inhalation	local	37 mg/m ³	
97-90-5	Ethylene dimethacrylate			
Worker DNEL, long-term	inhalation	systemic	2,45 mg/m ³	
Worker DNEL, long-term	dermal	systemic	1,3 mg/kg bw/day	
27813-02-1	Methacrylic acid, monoester with propane-1,2-diol			
Worker DNEL, long-term	inhalation	systemic	14,7 mg/m ³	
Worker DNEL, long-term	dermal	systemic	4,2 mg/kg bw/day	

Consumer DNEL, long-term	inhalation	systemic	8,8 mg/m ³
Consumer DNEL, long-term	dermal	systemic	2,5 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	2,5 mg/kg bw/day
6846-50-0	1-Isopropyl-2,2-dimethyltrimethylene Diisobutyrate		
Worker DNEL, long-term	dermal	systemic	5 mg/kg bw/day
Worker DNEL, long-term	inhalation	systemic	17,62 mg/m ³
Consumer DNEL, long-term	inhalation	systemic	4,35 mg/m ³
Consumer DNEL, long-term	oral	systemic	5 mg/kg bw/day
Consumer DNEL, long-term	dermal	systemic	5 mg/kg bw/day
-	Reaction mass of 2,2'-[[4-methylphenyl]imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl] (4-methylphenyl)amino]		
Worker DNEL, long-term	inhalation	systemic	9,8 mg/m ³
Worker DNEL, long-term	dermal	systemic	1,4 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	2,9 mg/m ³
Consumer DNEL, long-term	oral	systemic	0,83 mg/kg bw/day
Consumer DNEL, long-term	dermal	systemic	0,83 mg/kg bw/day
130-15-4	1,4-naphthoquinone		
Worker DNEL, long-term	inhalation	systemic	0,033 mg/m ³

PNEC values

CAS No	Substance	Value
Environmental compartment		Value
2082-81-7	Tetramethylene dimethacrylate	
Freshwater		0,043 mg/l
Marine water		0,004 mg/l
Freshwater sediment		3,12 mg/kg
Marine sediment		0,312 mg/kg
Micro-organisms in sewage treatment plants (STP)		2 mg/l
Soil		0,573 mg/kg
25013-15-4	Vinyltoluene	
Freshwater		0,05 mg/l
Marine water		0,002 mg/l
Freshwater sediment		0,684 mg/kg
Marine sediment		0,684 mg/kg
Soil		0,133 mg/kg
97-90-5	Ethylene dimethacrylate	
Freshwater		0,139 mg/l
Marine water		0,014 mg/l
Marine water (intermittent releases)		0,15 mg/l
Freshwater sediment		1,6 mg/kg
Marine sediment		0,16 mg/kg
Micro-organisms in sewage treatment plants (STP)		57 mg/l
Soil		0,239 mg/kg
27813-02-1	Methacrylic acid, monoester with propane-1,2-diol	
Freshwater		0,904 mg/l
Marine water		0,904 mg/l
Freshwater sediment		6,28 mg/kg
Marine sediment		6,28 mg/kg
Micro-organisms in sewage treatment plants (STP)		10 mg/l
Soil		0,727 mg/kg

6846-50-0	1-Isopropyl-2,2-dimethyltrimethylene Diisobutyrate	
Freshwater		0,014 mg/l
Marine water		0,001 mg/l
Freshwater sediment		5,29 mg/kg
Marine sediment		0,529 mg/kg
Soil		1,05 mg/kg
-	Reaction mass of 2,2'-[[4-methylphenyl]imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl] (4-methylphenyl)amino]	
Freshwater		0,048 mg/l
Marine water		0,005 mg/l
Freshwater sediment		0,12 mg/kg
Marine sediment		0,12 mg/kg
130-15-4	1,4-naphthoquinone	
Freshwater		26,1 mg/l
Marine water		2,61 mg/l
Freshwater sediment		321 mg/kg
Marine sediment		32,1 mg/kg
Micro-organisms in sewage treatment plants (STP)		0,172 mg/l
Soil		49 mg/kg

8.1.1 Additional advice on limit values

This mixture includes quartz (silica) which is firmly bound in the pasty component, and thus not freely available during use, so that a risk of dust inhalation is excluded. Exposure limit values for respirable dusts are not relevant for this product.

8.2 Exposure controls



8.2.1 Appropriate engineering controls

Provide adequate ventilation. If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means.

8.2.2 Protective and hygiene measures

Take off contaminated clothing and wash it before reuse. Draw up and observe skin protection program. Wash hands thoroughly after handling. When using do not eat, drink or smoke

8.2.3 Eye/face protection

Wear eye protection/face protection. Wear safety glasses.

8.2.4 Hand protection

Disposable gloves

Recommended material: NBR (Nitrile rubber)

Breakthrough time: > 480 min

Thickness of the glove material: > 0,2 mm

DIN-/EN-Norms: EN 374

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

8.2.5 Skin protection

Wear suitable protective clothing.

8.2.6 Respiratory protection

In case of inadequate ventilation wear respiratory protection. Respiratory protection with combination filter A1P2 (organic gases/vapors and particles) recommended.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	solid(pasty)
Color:	light beige
Odor:	characteristic
pH-Value:	not determined
Melting point:	not determined
Initial boiling point and boiling range:	not determined
Flash point:	not applicable
Flammability	
Solid:	not determined
Gas:	not applicable
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Auto-ignition temperature	
Solid:	not determined
Gas:	not applicable
Decomposition temperature:	not determined
Oxidizing properties	Not oxidizing
Vapor pressure:	not determined
Density (at 20 °C):	1,72 g/cm ³
Water solubility:	The study does not need to be conducted because the substance is known to be insoluble in water.

Solubility in other solvents

Partition coefficient: not determined

Vapor density: not determined

Evaporation rate: not determined

9.2 Other information

Solid content: not determined

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

Response: Oxidizing agent, strong reaction

10.4 Conditions to avoid

Heat. Keep cool. Protect from sunlight.

10.5 Incompatible materials

No information's available.

10.6 Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

11.1.1 Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name	Exposure route	Dose	Species	Source	Method
2082-81-7	Tetramethylene dimethacrylate	oral	LD50 mg/kg 10066	Rat		
		dermal	LD50 mg/kg > 3000	Rabbit		
25013-15-4	Vinyltoluene	dermal	LD50 mg/kg 4585	Rabbit		
		inhalation vapor	ATE 11 mg/l			
		inhalation aerosol	ATE 1,5 mg/l			
97-90-5	Ethylenedimethacrylate	oral	LD50 mg/kg 8700	Rat		
		dermal	LD50 mg/kg > 2000	Rat		
27813-02-1	Methacrylic acid, monoester with propane-1,2-diol					

	oral	LD50 mg/kg	> 2000	Rat		
	dermal	LD50 mg/kg	> 5000	Rabbit		
6846-50-0	1-Isopropyl-2,2-dimethyltrimethylene Diisobutyrate					
	oral	LD50 mg/kg	3200	Rat		
	dermal	LD50 mg/kg	18900	Guinea pig		
-	Reaction mass of 2,2'-[(4-methylphenyl) bisethanol and Ethanol 2-[[2-(2hydroxyethoxy)ethyl] (4-methylphenyl)amino]					
	oral	LD50 mg/kg	619	Rat		
38668-48-3	1,1'-(p-Tolylimino)dipropan-2-ol					
	oral	LD50 mg/kg	27,5	Rat		OECD423
	dermal	LD50 mg/kg	> 2000	Rat		
130-15-4	1,4-naphthoquinone					
	oral	LD50 mg/kg	124	Rat		
	inhalation vapor	ATE	0,5 mg/l			
	inhalation (4 h) aerosol	LC50 mg/l	0,046	Rat		

11.1.2 Irritation and corrosivity

Based on available data, the classification criteria are not met.

11.1.3 Sensitizing effects

May cause an allergic skin reaction.

11.1.4 Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

11.1.5 STOT-single exposure

Based on available data, the classification criteria are not met.

11.1.6 STOT-repeated exposure

Based on available data, the classification criteria are not met.

11.1.7 Aspiration hazard

Based on available data, the classification criteria are not met.

Further information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1 Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CAS No	Chemical name		Dose	[h] [d]	Species	Source	Method
2082-81-7	Tetramethylene dimethacrylate						
	Aquatic toxicity	ErC50	9,79 mg/l	72 h			
	Crustacea toxicity	NOEC	5,09 mg/l	21 d			
25013-15-4	Vinyltoluene						
	Acute fish toxicity	LC50	5,2 mg/l	96 h			
	Acute algae toxicity	ErC50	2,6 mg/l	72 h			
	Acute crustacea toxicity	EC50	9,3 mg/l	48 h	Daphnia magna (Big water flea)		
97-90-5	Ethylene dimethacrylate						
	Acute fish toxicity	LC50	15,95 mg/l	96 h	Brachydanio rerio (zebra-fish)		
	Acute algae toxicity	ErC50	17,3 mg/l	72 h	Pseudokirchneriella subcapitata		
	Acute crustacea toxicity	EC50	44,9 mg/l	48 h	Daphnia magna (Big water flea)		
	Crustacea toxicity	NOEC	13,2 mg/l	2 d			
27813-02-1	Methacrylic acid, monoester with propane-1,2-diol						
	Acute algae toxicity	ErC50	>97,2 mg/l	72 h	Pseudokirchneriella subcapitata		
	Acute crustacea toxicity	EC50	> 143 mg/l	48 h	Daphnia magna (Big water flea)		
	Algae toxicity	NOEC	mg/l				
6846-50-0	1-Isopropyl-2,2-dimethyltrimethylene Diisobutyrate						
	Algae toxicity	NOEC	2,25 mg/l	3 d			
-	Reaction mass of 2,2'-[[4-methylphenyl]imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]						
	Acute fish toxicity	LC50	> 100 mg/l	96 h			
	Acute algae toxicity	ErC50	> 100 mg/l	72 h			
	Acute crustacea toxicity	EC50	48 mg/l	48 h			
38668-48-3	1,1'-(p-Tolylimino)dipropan-2-ol						
	Acute fish toxicity	LC50	17 mg/l	96 h	Brachydanio rerio (zebra-fish)		
	Acute algae toxicity	ErC50	245 mg/l	72 h	Desmodesmus subspicatus		
	Acute crustacea toxicity	EC50	28,8 mg/l	48 h	Daphnia magna (Big water flea)		
130-15-4	1,4-naphthoquinone						
	Acute fish toxicity	LC50	0,045 mg/l	96 h	Oryzias latipes (Ricefish)		
	Acute algae toxicity	ErC50	0,011 mg/l	72 h			
	Acute crustacea toxicity	EC50	0,026 mg/l	48 h			

12.2 Persistence and degradability

The product has not been tested.

CAS No	Chemical name		Method	Value	d	Source
	Evaluation					
2082-81-7	Tetramethylene dimethacrylate					
	OECD 310	84%		28		
25013-15-4	Vinyltoluene					
	OECD 310	36,7 %		28		
97-90-5	Ethylene dimethacrylate					

	OECD 310	71%	28	
27813-02-1	Methacrylic acid, monoester with propane-1,2-diol			
	OECD 310C	81%	28	
130-15-4	1,4-naphthoquinone			
		39%	5	

123 Bio accumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
2082-81-7	Tetramethylene dimethacrylate	3,1
25013-15-4	Vinyltoluene	3,35
97-90-5	Ethylene dimethacrylate	2,4
27813-02-1	Methacrylic acid, monoester with propane-1,2-diol	0,97
6846-50-0	1-Isopropyl-2,2-dimethyltrimethylene Diisobutyrate	4,91
-	Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]	2,17
38668-48-3	1,1'-(p-Tolylimino)dipropan-2-ol	2,1
130-15-4	1,4-naphthoquinone	1,77

BCF

CAS No	Chemical name	BCF	Species	Source
25013-15-4	Vinyltoluene	100 - 320		

124 Mobility in soil

The product has not been tested.

125 Results of PBT and vPvB assessment

The product has not been tested.

126 Other adverse effects

No information available.

Further information

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Advice on disposal

Subsequent waste code numbers of the European Waste Catalogue are considered as recommendations. Dispose of waste according to applicable legislation. Do not allow to enter surface water or drains. Do not allow to enter soil/subsoil.

SECTION 14: Transport information

	Land transport (ADR/RID)	Inland waterways transport (AND)	Marine transport (IMDG)	Air transport (ICAO-TI/IATA-DGR)
14. 1 UN number	N.D	N.D	N.D	N.D
14. 2 UN proper shipping name	N.D	N.D	N.D	N.D
14. 3 Transport hazard class (es)	N.D	N.D	N.D	N.D
14. 4 Packing group	N.D	N.D	N.D	N.D

(N.D: No Dangerous)

145 Environmental hazard

Environmentally hazardous: no

146 Special precautions for user

No information available.

147 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

SECTION 15: Regulatory information

National Legal Information

Water pollution Class (D): 2-clearly water pollutant

Skin absorption/ sensitivity: causes extreme allergic sensitivity reactions

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 3.

Abbreviations and acronyms

ADN: Accord européen relatif au transport international des marchandises Dangereuses par voie de Navigation (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)

ADR: Accord européen sur le transport des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

CAS: Chemical Abstracts Service

CLP: Classification, Labeling and Packaging

DMEL: Derived Minimal Effect level

DNEL: Derived No Effect Level

EC50: Effective concentration, 50%

ErC50: EC50 in terms of reduction of growth rate

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations (DRG) for the air transport (IATA)
 IMDG: International Maritime Code for Dangerous Goods
 LC50: Lethal concentration, 50%
 LD50: Lethal dose, 50%
 NOEC: No Observed Effect Concentration
 OECD: Organization for Economic Co-operation and Development
 PBT: persistent, bio accumulative and toxic
 vPvB: very persistent and very bio accumulative
 PNEC: Predicted No Effect Concentration
 REACH: Registration, Evaluation, Authorization and Restriction of Chemicals
 RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses
 (Regulations Concerning the International Carriage of Dangerous Goods by Rail)
 VOC: Volatile organic compound
 Acute Tox. 3: Acute toxicity, Category 3
 Acute Tox. 2: Acute toxicity, Category 2
 Acute Tox. 4: Acute toxicity, Category 4
 Aquatic Acute 1: Acute aquatic hazard, Category 1
 Aquatic Chronic 1: Long-term aquatic hazard, Category 1
 Aquatic Chronic 3: Long-term aquatic hazard, Category 3
 Asp. Tox. 1: Aspiration hazard, Category 1
 Eye Dam. 1: Serious eye damage/eye irritation, Category 1
 Eye Irrit. 2: Serious eye damage/eye irritation, Category 2
 Flam. Liq. 3: Flammable liquid, Category 3
 Repr. 2: Reproductive toxicity, Category 2
 Skin Corr. 1C: Skin corrosion/irritation, Category 1C
 Skin Irrit. 2: Serious eye damage/eye irritation, Category 2
 Skin Sens. 1A: Skin sensitization, Category 1A
 Skin Sens. 1B: Skin sensitization, Category 1B
 STOT SE 3: Specific target organ toxicity (single exposure), Category 3

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Skin Sens. 1; H317	Calculation method
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

- H226 Flammable liquid and vapor.
- H300 Fatal if swallowed.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H330 Fatal if inhaled.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H361d Suspected of damaging the unborn child.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport, and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material

V-500 - Comp. B**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

V-500, Chemical Anchor, Comp. B.

1.2 Relevant identified uses of the substance or mixture and uses advised against**1.2.1 Use of the substance/mixture**

Anchoring of threaded rods or reinforcing bars into concrete (A-component, hardener).

1.2.2 Uses advised against

No restriction.

1.3 Details of the supplier of the safety data sheet

Company name: Sozeri Yapi Elemanlari San.Tic.lth.lhr.Ltd.Sti.
Street: Ankara-Izmir Road Turgutlu 8. Km
Place: Manisa/Turkey
Telephone: +90 (212) 276 62 62
Internet: www.tic-m.com
Email: info@tic-m.com

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****2.1.1 Regulation (EC) No. 1272/2008**

Hazard categories:

Serious eye damage/eye irritation: Eye Irrit. 2

Respiratory or skin sensitization: Skin Sens. 1

Hazard Statements:

May cause eye irritation.

May cause an allergic skin reaction.

2.2 Label elements**2.2.1 Regulation (EC) No. 1272/2008****Hazard components for labelling**

Dibenzoyl peroxide

Signal word: Warning

Pictograms:



Hazard statements

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of the reach of children.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

2.3 Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
94-36-0	Dibenzoyl peroxide			5 - < 15 %
	202-327-6	617-008-00-0	01-2119511472-50	
	Org. Perox. B, Eye Irrit. 2, Skin Sens. 1, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1 (M-Factor = 10); H241 H319 H317 H400 H410			

Full text of H and EUH statements: see section 16.

Further Information

The product has been tested for aquatic toxicity. The tests show no need for classification of the product as toxic and harmful to aquatic life. Test reports are available.

SECTION 4: First aid measures

4.1 Description of first aid measures

4.1.1 General information

First aider: Pay attention to self-protection! Take off immediately all contaminated clothing and wash it before reuse. Get medical advice/attention if you feel unwell.

4.1.2 After inhalation

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

4.1.3 After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

4.1.4 After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

4.1.5 After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. Medical treatment necessary.

4.2 Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction.

Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

5.1.1 Suitable extinguishing media

Foam

Extinguishing powder

Water spray jet

Carbon dioxide (CO₂)

5.1.2 Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

Pyrolysis products, toxic

Carbon monoxide

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes.

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

Additional information

Suppress gases/vapors/mists with water spray jet. Collect contaminated fire extinguishing water separately.

Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

Use personal protective equipment as required. Provide adequate ventilation. Avoid contact with skin, eyes, and clothes.

6.2 Environmental precautions

Do not allow to enter surface water or drains.

6.3 Methods and material for containment and cleaning up

Collect spillage. Take up mechanically, placing in appropriate containers for disposal. Suitable material for taking up: Sand

Treat the recovered material as prescribed in the section on waste disposal.

Retain contaminated washing water and dispose it.

6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

7.1.1 Advice on safe handling

Use only outdoors or in a well-ventilated area.

Wear personal protection equipment (refer to section 8).

Avoid contact with skin, eyes, and clothes.

When using do not eat, drink, or smoke.

Wash hands thoroughly after handling.

Take off contaminated clothing and wash it before reuse.

7.2 Conditions for safe storage, including any incompatibilities

7.2.1 Requirements for storage rooms and vessels

Keep container tightly closed.

Store in a place accessible by authorized persons only.

Keep only in the original container in a cool, well-ventilated place.

7.2.2 Hints on joint storage

Do not store together with: Oxidizing agent, strong reaction

Do not use for products which come into contact with the food stuffs.

7.2.3 Further information on storage conditions

Keep container tightly closed in a cool place.

Storage temperature: 5-25°

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Exposure limits (EH40)

CAS No	Substance	Ppm	mg/m ³	fibers/ml	Category	Origin
94-36-0	Dibenzoyl peroxide	-	5		TWA (8h)	WEL
56-81-5	Glycerol, mist	-	10		TWA (8h)	WEL

DNEL/DMEL values

CAS No	Substance			
DNEL type	Exposure route	Effect	Value	
94-36-0	Dibenzoyl peroxide			
Consumer DNEL, long-term	oral	systemic	2 mg/kg bw/day	
Worker DNEL, long-term	dermal	systemic	13,3 mg/kg bw/day	
Worker DNEL, long-term	inhalation	systemic	39 mg/m ³	

PNEC values

CAS No	Substance	
Environmental compartment	Value	
94-36-0	Dibenzoyl peroxide	
Freshwater	0,00002 mg/l	
Marine water	0,000002 mg/l	
Freshwater sediment	0,013 mg/kg	
Marine sediment	0,001 mg/kg	

8.1.1 Additional advice on limit values

This mixture includes quartz (silica) which is firmly bound in the pasty component, and thus not freely available during use, so that a risk of dust inhalation is excluded. Exposure limit values for respirable dusts are not relevant for this product.

8.2 Exposure controls



8.2.1 Appropriate engineering controls

Provide adequate ventilation. If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means.

8.2.2 Protective and hygiene measures

Take off contaminated clothing and wash it before reuse.

Wash hands thoroughly after handling. When using do not eat, drink or smoke

8.2.3 Eye/face protection

Wear eye protection/face protection. Wear safety glasses.

8.2.4 Hand protection

Disposable gloves

Recommended material: NBR (Nitrile rubber)

Breakthrough time: > 480 min

Thickness of the glove material: > 0,2 mm

DIN-/EN-Norms: EN 374

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

8.2.5 Skin protection

Wear suitable protective clothing.

8.2.6 Respiratory protection

In case of inadequate ventilation wear respiratory protection. Respiratory protection with combination filter A1P2 (organic gases/vapors and particles) recommended.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	solid(pasty)
Color:	black
Odor:	characteristic
pH-Value:	not determined
Melting point:	not determined
Initial boiling point and boiling range:	not determined
Flash point:	not applicable
Flammability	
Solid:	not determined
Gas:	not applicable

Lower explosion limits:	not determined
Upper explosion limits:	not determined
Auto-ignition temperature	
Solid:	not determined
Gas:	not applicable
Decomposition temperature:	not determined
Oxidizing properties:	
not oxidizing.	
Available oxygen content (%) <1%	
no classification	
Vapor pressure:	not determined
Density (at 20 °C):	1,59 g/cm ³
Water solubility:	The study does not need to be conducted because the substance is known to be insoluble in water.
Solubility in other solvents	
not determined.	
Partition coefficient:	not determined
Vapor density:	not determined
Evaporation rate:	not determined
9.2 Other information	
Solid content:	not determined

SECTION 10: Stability and reactivity

10.1 Reactivity

See section 10.3

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

Violent reaction with: Oxidizing agent

10.4 Conditions to avoid

See section 7.2

10.5 Incompatible materials

Oxidizing agent, strong reaction

10.6 Hazardous decomposition products

Benzoic acid

Benzene

Biphenyl

SECTION 11: Toxicological information

11.1 Information on toxicological effects

11.1.1 Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
94-36-0	Dibenzoyl peroxide				
	oral	LD50	>5000 mg/kg	Rat	

11.1.2 Irritation and corrosivity

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

11.1.3 Sensitizing effects

May cause an allergic skin reaction. (Dibenzoyl peroxide)

11.1.4 Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

11.1.5 STOT-single exposure

Based on available data, the classification criteria are not met.

11.1.6 STOT-repeated exposure

Based on available data, the classification criteria are not met.

11.1.7 Aspiration hazard

Based on available data, the classification criteria are not met.

Further information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1 Toxicity

The product is not: Ecotoxic.

OECD 201 (Desmodesmus subspicatus)

IC10: (0-72 h) = 30 mg/l

IC50: (0-72 h) = 150 mg/l

OECD 202 (Daphnia magna)

EC0/NOEC (48h) = 100 mg/l

EC50 (48h) = >500 mg/l

EC100 (48h) = >>500 mg/l

OECD 203 (Danio rerio)

LC0/NOEC : 250 mg/l

LC50 : > 500 mg/l

LC100 : >> 500 mg/l

CAS No	Chemical name		Dose	[h] [d]	Species	Source	Method
94-36-0	Dibenzoyl peroxide						
	Acute algae toxicity	LC50	0,0602 mg/l	96 h	Oncorhynchus mykiss (Rainbowtrout)	OECD203	
	Crustacea toxicity	ErC50	0,0711 mg/l	72 h	Pseudokirchneriella subcapitata	OECD201	
	Acute crustacea toxicity	EC50	0,11 mg/l	48 h	Daphnia magna (Big water flea)	OECD202	
	Algae toxicity	NOEC	0,02 mg/l	3 d	Pseudokirchneriella subcapitata	OECD201	
	Crustacea toxicity	NOEC	0,001 mg/l	21 d	Daphnia magna (Big water flea)	OECD211	
	Acute bacteria toxicity	(35 MG/L)		0,5 h		OECD209	

122 Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
94-36-0	Dibenzoyl peroxide			
	OECD 310D	71%	28	
	Readily biodegradable (according to OECD criteria).			

123 Bio accumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
94-36-0	Dibenzoyl peroxide	3,2

124 Mobility in soil

The product has not been tested.

125 Results of PBT and vPvB assessment

The product has not been tested.

126 Other adverse effects

No information available.

Further information

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Advice on disposal

Subsequent waste code numbers of the European Waste Catalogue are considered as recommendations. Dispose of waste according to applicable legislation. Do not allow to enter surface water or drains. Do not allow to enter soil/subsoil.

SECTION 14: Transport information

	Land transport (ADR/RID)	Inland waterways transport (AND)	Marine transport (IMDG)	Air transport (ICAO-TI/IATA-DGR)
14. 1 UN number	N.D	N.D	N.D	N.D
14. 2 UN proper shipping name	N.D	N.D	N.D	N.D
14. 3 Transport hazard class (es)	N.D	N.D	N.D	N.D
14. 4 Packing group	N.D	N.D	N.D	N.D

(N.D: No Dangerous)

14.5 Environmental hazard

ENVIRONMENTALLY HAZARDOUS: no

14.6 Special precautions for user

No information available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

Water hazard class (D):

1-slightly hazardous to water

Skin resorption/Sensitization:

Causes allergic hypersensitivity reactions.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 2.

Abbreviations and acronyms

ADN: Accord européen relatif au transport international des marchandises Dangereuses par voie de Navigation

(European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)

ADR: Accord européen sur le transport des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

CAS: Chemical Abstracts Service

CLP: Classification, Labeling and Packaging

DMEL: Derived Minimal Effect level

DNEL: Derived No Effect Level

EC50: Effective concentration, 50%

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations (DRG) for the air transport (IATA)

ICAO: International Civil Aviation Organization

IC50: Inhibitory concentration, 50%

IMDG: International Maritime Code for Dangerous Goods

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

NOEC: No Observed Effect Concentration

OECD: Organization for Economic Co-operation and Development

PBT: persistent, bio accumulative and toxic

vPvB: very persistent and very bio accumulative

PNEC: Predicted No Effect Concentration

REACH: Registration, Evaluation, Authorization and Restriction of Chemicals

RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses (Regulations Concerning the International Carriage of Dangerous Goods by Rail)

VOC: Volatile organic compound

Aquatic Acute 1: Acute aquatic hazard, Category 1

Aquatic Chronic 1: Long-term aquatic hazard, Category 1

Eye Irrit. 2: Serious eye damage/eye irritation, Category 2

Skin Sens. 1: Skin sensitization, Category 1A

Org. Perox. B: Organic Peroxides, Type B

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Eye Irrit. 2; H319	Calculation method
Skin Sens. 1; H17	Calculation method



Material Safety Datasheet
V-500

Revision Date
01.2021

Relevant H and EUH statements (number and full text)

H241 Heating may cause a fire or explosion.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport, and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.