

Safety Data Sheet

according to Regulation (EC) No 1907/2006

5102 CA-Activator liquid DMPT-free

Revision: 27.01.2026

Product code: 5102F

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

1.1. Product identifier

5102 CA-Activator liquid DMPT-free

Product group:

UFI: V10K-EF99-M109-TQG5

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

Use of the substance/mixture

Adhesives and sealants Activator

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Manufacturer

Company name: Kisling AG
Street: Motorenstrasse 102
Place: CH-8620 Wetzikon
Telephone: +41 58 272 0 272
E-mail: customerservice@kisling.com
Contact person: Product Compliance Telephone: +49 7940 5096 143
E-mail (Contact person): compliance@kisling.com
Internet: www.kisling.com

Supplier

Company name: Kisling (Deutschland) GmbH
Street: Salzstraße 15
Place: D-74676 Niedernhall
Telephone: +49 7940 50961 61
E-mail: customerservice@kisling.com
Contact person: Product Compliance Telephone: +49 7940 5096 143
E-mail Contact person: compliance@kisling.com
Internet: www.kisling.com

1.4. Emergency telephone number: 24 hr. emergency phone number +1 872 5888271 (KAR)
Medicines & Poisons Info Office +356 2545 6508

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Flam. Liq. 2; H225
Eye Irrit. 2; H319
STOT SE 3; H336
Aquatic Acute 1; H400
Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

butanone

Signal word: Danger

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Pictograms:



Hazard statements

- H225 Highly flammable liquid and vapour.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.
 H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P233 Keep container tightly closed.
 P273 Avoid release to the environment.
 P391 Collect spillage.
 P403+P235 Store in a well-ventilated place. Keep cool.

Labelling of packages where the contents do not exceed 125 ml

Signal word: Danger

Pictograms:



Hazard statements

H412

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixtures

Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
78-93-3	butanone			90 - 100 %
	201-159-0	606-002-00-3	01-2119457290-43	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			
3741-80-8	N-(1,1-dimethylethyl)bis(2-benzothiazolesulfen)amide			0.09 - 0.9 %
	407-430-1	613-180-00-6		
	Aquatic Acute 1, Aquatic Chronic 1; H400 H410			

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

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
78-93-3	201-159-0	butanone	90 - 100 %
	oral: LD50 = 2193 mg/kg		

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Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
3741-80-8	407-430-1	N-(1,1-dimethylethyl)bis(2-benzothiazolesulfen)amide	0.09 - 0.9 %
		inhalation: Data lacking (gases); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg Aquatic Acute 1; H400: M=100 Aquatic Chronic 1; H410: M=1	

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

No special measures are necessary.

After inhalation

Provide fresh air.

After contact with skin

Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. IF SWALLOWED: Immediately call a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Irritant — skin irritation and eye damage

May cause respiratory irritation. Dyspnoea.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

alcohol resistant foam, Carbon dioxide (CO₂), Dry extinguishing powder

Unsuitable extinguishing media

Full water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products, Flammable vapours can accumulate in steam space of closed systems.

5.3. Advice for firefighters

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

Additional information

Co-ordinate fire-fighting measures to the fire surroundings. Use water spray jet to protect personnel and to cool endangered containers. Evacuate area.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Use personal protection equipment. See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment

Prevent spread over a wide area (e.g. by containment or oil barriers). Retain contaminated washing water and dispose it. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

For cleaning up

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Soak up inert absorbent and dispose as waste requiring special attention.

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

Advice on safe handling

Use only in well-ventilated areas. Keep away from sources of ignition - No smoking.

Avoid contact with skin, eyes and clothes. People who suffer from skin sensitization problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this mixture.

Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

Further information on handling

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

Never use pressure to empty container. Do not allow to enter into surface water or drains.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed and in a well-ventilated place.

Hints on joint storage

No special measures are necessary.

Further information on storage conditions

No special measures are necessary.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

CAS No	Name of agent	ppm	mg/m ³	fib/cm ³	Category	Origin
78-93-3	Butanone	200	600		TWA (8 h)	
		300	900		STEL (15 min)	

DNEL/DMEL values

CAS No	Name of agent	Exposure route	Effect	Value
78-93-3	butanone			
	Consumer DNEL, long-term	inhalation	systemic	106 mg/m ³
	Consumer DNEL, acute	inhalation	systemic	450 mg/m ³
	Consumer DNEL, long-term	dermal	systemic	412 mg/kg bw/day
	Consumer DNEL, long-term	oral	systemic	31 mg/kg bw/day
	Worker DNEL, long-term	inhalation	systemic	600 mg/m ³
	Worker DNEL, acute	inhalation	systemic	900 mg/m ³
	Worker DNEL, long-term	dermal	systemic	1161 mg/kg bw/day
3741-80-8	N-(1,1-dimethylethyl)bis(2-benzothiazolesulfen)amide			
	Worker DNEL, long-term	inhalation	systemic	38.5 mg/m ³
	Worker DNEL, long-term	dermal	systemic	10.9 mg/kg bw/day
	Worker DNEL, long-term	dermal	local	1.06 mg/cm ²
	Consumer DNEL, long-term	inhalation	systemic	9.5 mg/m ³
	Consumer DNEL, long-term	dermal	systemic	5.47 mg/kg bw/day
	Consumer DNEL, long-term	dermal	local	0.53 mg/cm ²

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DNEL/DMEL values

CAS No	Name of agent	Exposure route	Effect	Value
	Consumer DNEL, long-term	oral	systemic	5.46 mg/kg bw/day

PNEC values

CAS No	Name of agent	Value
	Environmental compartment	
3741-80-8	N-(1,1-dimethylethyl)bis(2-benzothiazolesulfen)amide	
	Freshwater	0.004 mg/l
	Freshwater (intermittent releases)	0.004 mg/l
	Marine water	0 mg/l
	Freshwater sediment	16.66 mg/kg
	Marine sediment	1.67 mg/kg
	Secondary poisoning	243 mg/kg
	Micro-organisms in sewage treatment plants (STP)	0.19 mg/l
	Soil	3.32 mg/kg

8.2. Exposure controls



Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear eye/face protection.

Hand protection

Tested protective gloves must be worn (EN ISO 374)
Breakthrough times and swelling properties of the material must be taken into consideration.
NBR (Nitrile rubber) 0,4 mm, Breakthrough time: 480 min

Skin protection

Avoid contact with skin, eyes and clothes.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Filter type: A/P2

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	yellow - red
Odour:	characteristic
Odour threshold:	not determined

Test method

Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	80 °C
Flammability:	not applicable
Lower explosion limits:	1 vol. %
Upper explosion limits:	11 vol. %

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Flash point:	3 °C	
Auto-ignition temperature:	404 °C	
Decomposition temperature:	not determined	ASTM D 2879
pH-Value:	not determined	
Viscosity / kinematic:	not determined	
Water solubility:	practically insoluble	
Solubility in other solvents		
not determined		
Partition coefficient n-octanol/water:	not determined	
Vapour pressure (at 20 °C):	104 hPa	
Density:	0.81 g/cm ³	
Relative density:	not determined	
Relative vapour density:	not determined	

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

The product is not: Explosive.

Oxidizing properties

not determined

Other safety characteristics

Evaporation rate: not determined

Solid content: not determined

Viscosity / dynamic (at 20 °C): 1.04 mPa·s

SECTION 10: Stability and reactivity

10.1. Reactivity

No known hazardous reactions.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

Thermal decomposition can lead to the escape of irritating gases and vapours.
Vapours can form explosive mixtures with air.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

Further information

No data available

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicocinetics, metabolism and distribution

No data available

Acute toxicity

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

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ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
78-93-3	butanone				
	oral	LD50 2193 mg/kg	Rat	REACH Registration Dossier	OECD Guideline 423
3741-80-8	N-(1,1-dimethylethyl)bis(2-benzothiazolesulfen)amide				
	oral	LD50 > 5000 mg/kg	Rat	Study report (1990)	other: US EPA-TSCA 40 CFR Part 798 secti
	dermal	LD50 > 2000 mg/kg	Rabbit	Study report (1990)	other: US EPA-TSCA 40 CFR Part 798 secti
	inhalation	Data lacking			

Irritation and corrosivity

Serious eye damage/eye irritation: Causes serious eye irritation.

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

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

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

STOT-single exposure

May cause drowsiness or dizziness. (butanone)

STOT-repeated exposure

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

Aspiration hazard

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

Information on likely routes of exposure

No data available

Specific effects in experiment on an animal

No data available

Additional information on tests

No data available

Practical experience

May be harmful if swallowed, in contact with skin or if inhaled.

11.2. Information on other hazards

Other information

No data available

Further information

No data available

SECTION 12: Ecological information

12.1. Toxicity

Very toxic to aquatic life.

Harmful to aquatic life with long lasting effects.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h][d]	Species	Source	Method
78-93-3	butanone					
	Acute fish toxicity	LC50 2973 mg/l	96 h	Pimephales promelas	REACH Registration Dossier	OECD Guideline 203
	Acute algae toxicity	ErC50 1220 mg/l	72 h	Raphidocelis subcapitata	REACH Registration Dossier	OECD Guideline 201
	Acute crustacea toxicity	EC50 308 mg/l	48 h	Daphnia magna	REACH Registration Dossier	OECD Guideline 202
3741-80-8	N-(1,1-dimethylethyl)bis(2-benzothiazolesulfen)amide					
	Acute crustacea toxicity	EC50 ca. 0.005 mg/l	48 h	Daphnia magna	Study report (1990)	EPA OPP 72-2
	Fish toxicity	NOEC ca. 0.041 mg/l	89 d	Oncorhynchus mykiss	Study report (1989)	Method: Federal Register 50:TSCA Test St

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
78-93-3	butanone	0.3
3741-80-8	N-(1,1-dimethylethyl)bis(2-benzothiazolesulfen)amide	6.7

BCF

CAS No	Chemical name	BCF	Species	Source
3741-80-8	N-(1,1-dimethylethyl)bis(2-benzothiazolesulfen)amide	< 0.8	Cyprinus carpio	Electronic release:

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Dispose of waste according to applicable legislation.

List of Wastes Code - contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

Contaminated packaging

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Completely emptied packages can be recycled. Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number: UN 1193
14.2. UN proper shipping name: ETHYL METHYL KETON (METHYL ETHYL KETONE)
14.3. Transport hazard class(es): 3
14.4. Packing group: II
 Hazard label: 3



Classification code: F1
 Limited quantity: 1 L
 Excepted quantity: E2
 Transport category: 2
 Hazard No: 33
 Tunnel restriction code: D/E

Inland waterways transport (ADN)

14.1. UN number or ID number: UN 1193
14.2. UN proper shipping name: ETHYL METHYL KETONE (METHYL ETHYLKETONE)
14.3. Transport hazard class(es): 3
14.4. Packing group: II
 Hazard label: 3



Classification code: F1
 Limited quantity: 1 L
 Excepted quantity: E2

Marine transport (IMDG)

14.1. UN number or ID number: UN 1193
14.2. UN proper shipping name: ETHYL METHYL KETONE (METHYL ETHYL KETONE)
14.3. Transport hazard class(es): 3
14.4. Packing group: II
 Hazard label: 3



Special Provisions: -
 Limited quantity: 1 L
 Excepted quantity: E2
 EmS: F-E, S-D

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 1193
14.2. UN proper shipping name: ETHYL METHYL KETONE
14.3. Transport hazard class(es): 3

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14.4. Packing group:

II

Hazard label:

3



Limited quantity Passenger:

1 L

Passenger LQ:

Y341

Excepted quantity:

E2

IATA-packing instructions - Passenger:

353

IATA-max. quantity - Passenger:

5 L

IATA-packing instructions - Cargo:

364

IATA-max. quantity - Cargo:

60 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No information available.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

Other applicable information

No information available.

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 29, Entry 40, Entry 75

Directive 2010/75/EU on industrial emissions: 99 % (801.9 g/l)

Information according to Directive 2012/18/EU (SEVESO III): E1 Hazardous to the Aquatic Environment

Additional information: P5c

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 2 - obviously hazardous to water

(EU) EINECS/ELINCS/NLP: yes

(RC) TCSI: yes

(NZ) NZIoC: yes

(USA) TSCA: yes

(CDN) DSL: yes

(ROK) KECI/ECL: yes

(RP) PICCS: no

(JP) MITI: yes

(CHN) IECSC: yes

(AUS) AIIC: yes

(CDN) NDSL: no

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

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SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 1,8.

Abbreviations and acronyms

Flam. Liq. 2: Flammable liquids, hazard category 2

Eye Irrit. 2: Eye irritation, hazard category 2

STOT SE 3: Specific target organ toxicity - single exposure, hazard category 3

Aquatic Acute 1: Hazardous to the aquatic environment, hazard category: Acute 1

Aquatic Chronic 1: Hazardous to the aquatic environment, long-term hazard category: Chronic 1

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard category: Chronic 3

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

CAS: Chemical Abstracts Service

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

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

RID: Regulations concerning the international carriage of dangerous goods by rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)

IMDG: International Maritime Code for Dangerous Goods

EmS: Emergency Schedules

MFAG: Medical First Aid Guide

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container

VOC: Volatile Organic Compounds

SVHC: Substance of Very High Concern

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

Classification	Classification procedure
Flam. Liq. 2; H225	On basis of test data
Eye Irrit. 2; H319	Calculation method
STOT SE 3; H336	Calculation method
Aquatic Acute 1; H400	Calculation method
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

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Relevant H and EUH statements (number and full text)

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.
EUH066	Repeated exposure may cause skin dryness or cracking.

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.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)