



according to Regulation (EC) No 1907/2006

Kisling - 4901

Revision date: 11.04.2024 Product code: 4901 Page 1 of 13

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

1.1. Product identifier

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UFI: 4152-M0RJ-200E-PWA1

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

Use of the substance/mixture

Activator

Uses advised against

No data 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

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: Dr. Hans Götz Telephone: +49 7940 5096 143

E-mail: compliance@kisling.com

Internet: www.kisling.com

1.4. Emergency telephone 24 hr. emergency phone number +1 872 5888271 (KAR)

number: 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 Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

acetone; propan-2-one; propanone

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.

H412 Harmful 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.

P280 Wear protective gloves and eye/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.

Store in a well-ventilated place. Keep cool.

P403+P235 Store in a well-ventilated place. Keep coo Labelling of packages where the contents do not exceed 125 ml

Signal word: Danger

Pictograms:





Hazard statements

H412

2.3. Other hazards

Pressurised container: May burst if heated.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name	Chemical name			
	EC No	Index No	REACH No		
	Classification (Regulation (EC) No 1272/2008)				
67-64-1	acetone; propan-2-one; propanone			50 - < 100 %	
	200-662-2	606-001-00-8			
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066				
68084-48-0	Copper(2+) neodecanoate			0.1 - < 1 %	
	268-439-2		01-2120784744-41		
	Acute Tox. 4, Aquatic Acute 1, Aquatic Chronic 1; H302 H400 H410				

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



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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			
67-64-1	200-662-2	acetone; propan-2-one; propanone	50 - < 100 %	
	inhalation: LC50 = 76 mg/l (vapours); dermal: LD50 = > 7426 mg/kg; oral: LD50 = 5800 mg/kg			
68084-48-0	268-439-2 Copper(2+) neodecanoate		0.1 - < 1 %	
	oral: LD50 = 2066 mg/kg Aquatic Acute 1; H400: M=10			
	Aquatic Chronic	: 1; H410: M=1		

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Take off immediately all contaminated clothing.

After inhalation

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

After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse. After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink 1 glass of of water. Get immediate medical advice/attention.

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

No further relevant information available.

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

Treat symptomatically. No further relevant information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

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

Unsuitable extinguishing media

Full water jet.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. 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

General advice

Remove all sources of ignition.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up



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For cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13 See protective measures under point 7 and 8.

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. Flammable vapours can accumulate in head space of closed systems. Caution! Transport usually takes place at temperatures above the flash point.

Advice on protection against fire and explosion

Take precautionary measures against static discharges. Vapours can form explosive mixtures with air.

Advice on general occupational hygiene

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff. Remove contaminated, saturated clothing immediately.

Further information on handling

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

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Hints on joint storage

Do not store together with: Material, oxygen-rich, Oxidising. Pyrophoric or self-heating substances.

Further information on storage conditions

Keep away from heat.

7.3. Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

CAS No	Name of agent	ppm	mg/m³	fib/cm³	Category	Origin
67-64-1	Acetone	500	1210		TWA (8 h)	



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DNEL/DMEL values

CAS No	Name of agent					
DNEL type		Exposure route	Effect	Value		
67-64-1	acetone; propan-2-one; propanone					
Worker DNEL,	long-term	inhalation	systemic	1210 mg/m³		
Worker DNEL, acute		inhalation	local	2420 mg/m³		
Worker DNEL,	long-term	dermal	systemic	186 mg/kg bw/day		
Consumer DNEL, long-term		inhalation	systemic	200 mg/m³		
Consumer DNEL, long-term		dermal	systemic	62 mg/kg bw/day		
Consumer DNE	EL, long-term	oral	systemic	62 mg/kg bw/day		

PNEC values

CAS No	Name of agent	
Environment	al compartment	Value
67-64-1	acetone; propan-2-one; propanone	
Freshwater		10,6 mg/l
Freshwater (i	intermittent releases)	21 mg/l
Marine water		1,06 mg/l
Freshwater s	ediment	30,4 mg/kg
Marine sedim	nent	3,04 mg/kg
Micro-organisms in sewage treatment plants (STP)		100 mg/l
Soil		29,5 mg/kg
68084-48-0	Copper(2+) neodecanoate	
Freshwater		0.04875 mg/l
Marine water		0.0325 mg/l
Freshwater sediment		543.75 mg/kg
Marine sediment		4225 mg/kg
Secondary poisoning		20 mg/kg
Micro-organisms in sewage treatment plants (STP)		1.44 mg/l
Soil		406.25 mg/kg

8.2. Exposure controls





Individual protection measures, such as personal protective equipment

Eye/face protection

Wear eye/face protection.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. 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. Tested protective gloves must be worn.

Suitable material: CR (polychloroprene, chloroprene rubber) NR (natural rubber, Natural latex) Butyl caoutchouc



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(butyl rubber)

Thickness of the glove material > 0,45mm

= 480 min. EN ISO 374

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.

Skin protection

Use of protective clothing. Wear suitable protective clothing. The type of personal protection equipment has to be chosen based on the concentration and amount of the dangerous substance at the workplace.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid
Colour: blue green
Odour: Acetone

Odour threshold: No data available

Melting point/freezing point:

No data available
Boiling point or initial boiling point and

56 °C

boiling range:

Flammability:

Lower explosion limits:

Upper explosion limits:

Flash point:

Auto-ignition temperature:

Decomposition temperature:

Detomposition temperature:

Detomposition temperature:

Detomposition temperature:

No data available ont determined

pH-Value: not determined

Viscosity / kinematic: not applicable

Water solubility: completely miscible

Solubility in other solvents

not determined

Partition coefficient n-octanol/water:

Vapour pressure:

No data available

246 hPa

(at 20 °C)

Vapour pressure: 814 hPa

(at 50 °C)

Density (at 20 °C): 0.79 g/cm³
Relative vapour density: not determined

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

No data available
Oxidizing properties
No data available

Other safety characteristics

Evaporation rate: not determined

SECTION 10: Stability and reactivity



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10.1. Reactivity

No further relevant information available.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Avoid dust formation.

10.5. Incompatible materials

No further relevant information available.

10.6. Hazardous decomposition products

Carbon dioxide (CO2) Carbon monoxide

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.

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
67-64-1	acetone; propan-2-one; p	ropanone				
	oral	LD50 mg/kg	5800	Rat	J Toxicol Environ Health 15: 609-621 (19	Undiluted acetone applied to female rats
	dermal	LD50 mg/kg	> 7426	Rabbit	Toxicol Appl Pharmacol 7: 559-565. (1965	other: Code of federal regulations: 21 C
	inhalation (4 h) vapour	LC50	76 mg/l	Rat		
68084-48-0	Copper(2+) neodecanoate					
	oral	LD50 mg/kg	2066	Rat	Study report (1977)	OECD Guideline 401

Irritation and corrosivity

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

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

STOT-single exposure

May cause drowsiness or dizziness. (acetone; propan-2-one; propanone)





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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.

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 information available.

Further information

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

CAS No	Chemical name							
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method	
67-64-1	acetone; propan-2-one; p	ropanone						
	Acute fish toxicity	LC50 mg/l	8120	96 h	Pimephales promelas	Publication (1984)	OECD Guideline 203	
	Acute crustacea toxicity	EC50 mg/l	8800	48 h	Daphnia pulex	Publication (1978)	The toxicity of acetone towards daphnids	
	Crustacea toxicity	NOEC mg/l	2212	28 d	Daphnia magna	Arch Environm Contam Toxicol 12: 305-310	Study conducted comparable to OECD 211 w	
	Acute bacteria toxicity	(EC50 mg/l)	61150	0.5 h	activated sludge of a predominantly domestic sewag	Water Res 26: 887-892 (1992)	ISO 8192	
68084-48-0	Copper(2+) neodecanoate	e						
	Acute fish toxicity	LC50 mg/l	0.193	96 h	Pimephales promelas	Study report (1996)	measurements were conducted by standard	
	Acute algae toxicity	ErC50 mg/l	> 100	72 h	Raphidocelis subcapitata	Study report (1998)	OECD Guideline 201	
	Acute crustacea toxicity	EL50 mg/l	> 1000	48 h	Daphnia magna	Study report (1998)	OECD Guideline 202	
	Fish toxicity	NOEC mg/l	> 2.22	14 d	Oncorhynchus mykiss	Study report (2010)	other: OECD 305	
	Algae toxicity	NOEC mg/l	0.011	14 d	other algae: Marine macroalgae Fucus vesiculosis	Study report (2006)	The study investigates the effects of di	
	Crustacea toxicity	NOEC mg/l	4.78	7 d		Study report (1994)	EPA OTS 797.1330	



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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
67-64-1	acetone; propan-2-one; propanone	-0,23

BCF

CAS No	Chemical name	BCF	Species	Source
67-64-1	acetone; propan-2-one; propanone	3		Unpublished calculat
68084-48-0	Copper(2+) neodecanoate	< 225	Oncorhynchus mykiss	Study report (2009)

12.4. Mobility in soil

No further relevant information 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

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

List of Wastes Code - residues/unused products

080409

WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

List of Wastes Code - used product

080409

WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

080409

WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled.



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SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:UN 109014.2. UN proper shipping name:ACETONE14.3. Transport hazard class(es):314.4. Packing group:IIHazard 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 1090
14.2. UN proper shipping name: ACETONE

14.3. Transport hazard class(es):314.4. Packing group:IIHazard label:3



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

Marine transport (IMDG)

14.1. UN number or ID number: UN 1090
14.2. UN proper shipping name: ACETONE

14.3. Transport hazard class(es):314.4. Packing group:IIHazard label:3



Special Provisions:

Limited quantity:

Excepted quantity:

E2

EmS:

F-E, S-D

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:UN 109014.2. UN proper shipping name:ACETONE

14.3. Transport hazard class(es):314.4. Packing group:IIHazard label:3





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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

not applicable

14.7. Maritime transport in bulk according to IMO instruments

in delivery state not applicable

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 40

Information according to 2012/18/EU P5c FLAMMABLE LIQUIDS

(SEVESO III):

Marketing and use of explosives precursors (Regulation (EU) 2019/1148):

This product is regulated by Regulation (EU) 2019/1148: all suspicious transactions, and significant

disappearances and thefts should be reported to the relevant national contact point.

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

15.2. Chemical safety assessment

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

SECTION 16: Other information



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Abbreviations and acronyms

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

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety

assessment, chapter R.20 (Table of terms and abbreviations).

Flam. Liq: Flammable liquid Acute Tox: Acute toxicity Eye Irrit: Eye irritation

STOT SE: Specific target organ toxicity - single exposure

Aquatic Acute: Acute aquatic hazard Aquatic Chronic: Chronic aquatic hazard

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 Chronic 3; H412	Calculation method		

Relevant H and EUH statements (number and full text)

H225 Highly flammable liquid and vapour.





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H302 Harmful if swallowed.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.
 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 information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations. 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.

Identified uses

No	Short title	LCS	SU	PC	PROC	ERC	AC	TF	Specification
1	Adhesives and sealants	PW, C	6a, 6b, 12,	1	11, 19	4, 8a, 8c,	4e, 4g, 5c,	110	K+D
			18, 19			8d	6g, 7c, 7g,		
							8, 10, 11,		
							13		

LCS: Life cycle stages
PC: Product categories
ERC: Environmental release categories

TF: Technical functions

SU: Sectors of use PROC: Process categories AC: Article categories

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