

according to Regulation (EC) No 1907/2006

Kisling - 7408 - Component A 7410

Revision date: 11.10.2023

Product code: 7408

Page 1 of 12

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

1.1. Product identifier

Kisling - 7408 - Component A 7410

UFI:

RRH0-108W-K00E-2UU7

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

Use of the substance/mixture

Adhesives and sealants

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 5	888271 (KAR)
number:	Medicines & Poisons Info Office +356 254	5 6508

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

bis-[4-(2,3-epoxipropoxi)phenyl]propane Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol **Signal word:** Warning



according to Regulation (EC) No 1907/2006

		Ki	sling - 7408 - Compone	nt A 7410	
Revision dat	te: 11.10.2023		Product code: 7408	3	Page 2 of 12
Pictogra	ms:		×		
Hazard s	tatements	•	•		
H315		Causes skin irritat	ion.		
H317		-	ergic skin reaction.		
H319		Causes serious e			
H411		Toxic to aquatic li	fe with long lasting effects.		
	onary statemer				
P261		-	ust/fume/gas/mist/vapours/spi	ay.	
P273 P280		Avoid release to the Wear protective of the second	loves and eye/face protection		
	, 3+P313		rash occurs: Get medical adv		
P362	2+P364	Take off contamin	ated clothing and wash it befo	pre reuse.	
P391		Collect spillage.			
-	abelling of cert				
EUH	066		re may cause skin dryness or	cracking.	
Lahallina		Restricted to profe			
Signal w		Warning	do not exceed 125 ml		
Pictogra			¥2		
	tatements	•	•		
H317 Brocauti	onary statemer	ato			
		313-P362+P364			
2.3. Other h		010100211001			
		er: May burst if heate	ed.		
		n/information on			
	-		ingredients		
3.2. Mixture	<u>s</u>				
Hazardous	components				
CAS No	Chemical nar	ne			Quantity
	EC No		Index No	REACH No	
	Classification	(Regulation (EC) No	1272/2008)		
1675-54-3	bis-[4-(2,3-ep	oxipropoxi)phenyl]pro	pane		50 - < 100 %
	216-823-5		603-073-00-2		
	Skin Irrit. 2, E	ye Irrit. 2, Skin Sens.	1, Aquatic Chronic 2; H315 H319	H317 H411	
9003-36-5	Formaldehyd	e, oligomeric reaction	products with 1-chloro-2,3-epoxy	propane and phenol	30 - < 50 %
	500-006-8			01-2119454392-40	

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

Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H315 H317 H411



according to Regulation (EC) No 1907/2006

Kisling - 7408 - Component A 7410

Revision date: 11.10.2023

Product code: 7408

Page 3 of 12

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Cond	z. Limits, M-factors and ATE	
1675-54-3	216-823-5	bis-[4-(2,3-epoxipropoxi)phenyl]propane	50 - < 100 %
	dermal: LD5 Irrit. 2; H319:	0 = 23000 mg/kg; oral: LD50 = 19800 mg/kg	
9003-36-5	500-006-8	Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	30 - < 50 %
	dermal: LD5) = >2000 mg/kg; oral: LD50 = >5000 mg/kg	

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

Co-ordinate fire-fighting measures to the fire surroundings. Carbon dioxide (CO2), Dry extinguishing powder, Foam.

Unsuitable extinguishing media

Full water jet.

5.2. Special hazards arising from the substance or mixture

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

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

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up



according to Regulation (EC) No 1907/2006

Kisling - 7408 - Component A 7410

Revision date: 11.10.2023

Product code: 7408

Page 4 of 12

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

No special handling advices are necessary.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

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

Hints on joint storage

none

Further information on storage conditions

Store in a cool dry place. Protect from direct sunlight.

7.3. Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL/DMEL values

CAS No	Name of agent						
DNEL type		Exposure route	Effect	Value			
1675-54-3	bis-[4-(2,3-epoxipropoxi)phenyl]propane						
Worker DNEL	, long-term	inhalation	systemic	4,93 mg/m³			
Worker DNEL, long-term		dermal	systemic	0,75 mg/kg bw/day			
Consumer DNEL, long-term		inhalation	systemic	0,87 mg/m³			
Consumer DNEL, long-term		dermal	systemic	0,0893 mg/kg bw/day			
Consumer DNEL, long-term		oral	systemic	0,5 mg/kg bw/day			
Consumer DN	EL, acute	oral	systemic	0,5 mg/kg bw/day			



according to Regulation (EC) No 1907/2006

Kisling - 7408 - Component A 7410

Revision date: 11.10.2023

Product code: 7408

Page 5 of 12

PNEC values

CAS No	Name of agent		
Environmental compartment Value			
1675-54-3	bis-[4-(2,3-epoxipropoxi)phenyl]propane		
Freshwater		0,006 mg/l	
Freshwater (intermittent releases) 0,01		0,018 mg/l	
Marine water		0,001 mg/l	
Freshwater sediment		0,341 mg/kg	
Marine sediment		0,034 mg/kg	
Secondary poisoning		11 mg/kg	
Micro-organisms in sewage treatment plants (STP)		10 mg/l	
Soil		0,065 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 (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

•	1. Information on basic physical and chemical properties							
	Physical state:	Liquid						
	Colour:	colourless / light yellow						
	Odour:	odourless						
	Odour threshold:	No data available						
				Test method				
	Melting point/freezing point:		No data available					
	Boiling point or initial boiling point and		No data available					
	boiling range:							
	Flammability:		not determined	not applicable				
	Lower explosion limits:		No data available					
	Upper explosion limits:		No data available					
	Flash point:		>200 °C					
	I							



according to Regulation (EC) No 1907/2006

Kisling - 7408 - Component A 7410				
Revision date: 11.10.2023	Product code: 7408	Page 6 of 1		
Auto-ignition temperature:	not determined			
Decomposition temperature:	not determined			
pH-Value (at 20 °C):	No data available			
Viscosity / kinematic:	not determined			
Water solubility:	not determined			
Solubility in other solvents				
not determined				
Partition coefficient n-octanol/water:	>3			
Vapour pressure:	not determined			
Density (at 20 °C): Relative vapour density:	1,17 g/cm³ not determined			
Particle characteristics:	not determined			
0.2. 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			
Viscosity / dynamic:	6000 - 8000 mPa·s			
(at 25 °C)				
SECTION 10: Stability and reactivity				
10.1. Reactivity				
No further relevant information available.				
0.2. Chemical stability				
The product is stable under storage at normal ambie	ent temperatures. Avoid high temperatures or direc	t		

sunlight.

10.3. Possibility of hazardous reactions

Polymerization with heat evolution may occur in the presence of radical forming substances (e.g. peroxides), reducing substances, and/or heavy metal ions.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid high temperatures or direct sunlight.

10.5. Incompatible materials

Peroxides, alkalines, Radical former

10.6. Hazardous decomposition products

No further relevant information 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.

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



according to Regulation (EC) No 1907/2006

Kisling - 7408 - Component A 7410

Revision date: 11.10.2023

Product code: 7408

Page 7 of 12

CAS No	Chemical name						
	Exposure route	Dose		Species	Source	Method	
1675-54-3	bis-[4-(2,3-epoxipropoxi)p	henyl]propa	ne				
	oral	LD50 mg/kg	19800	Rabbit	Publication (1958)	Rabbits were orally gavaged with test ma	
	dermal	LD50 mg/kg	23000	Rabbit	Pre-supplier/manufact urer		
9003-36-5	Formaldehyde, oligomeric	c reaction pro	oducts with 1	I-chloro-2,3-epoxypropane	and phenol		
	oral	LD50 mg/kg	>5000	Rat	Pre-supplier/manufact urer		
	dermal	LD50 mg/kg	>2000	Rat	Pre-supplier/manufact urer		

Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

Sensitising effects

May cause an allergic skin reaction. (bis-[4-(2,3-epoxipropoxi)phenyl]propane; Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol)

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

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

STOT-repeated exposure

Repeated exposure may cause skin dryness or cracking.

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

Toxic to aquatic life with long lasting effects.

CAS No	Chemical name							
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method		
1675-54-3	bis-[4-(2,3-epoxipropoxi)ph	bis-[4-(2,3-epoxipropoxi)phenyl]propane						
	Acute algae toxicity	ErC50 > 100 mg/l		Raphidocelis subcapitata	, ,	OECD Guideline 201		

12.2. Persistence and degradability



according to Regulation (EC) No 1907/2006

Kisling - 7408 - Component A 7410

Revision date: 11.10.2023

Product code: 7408

Page 8 of 12

No data available

12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
1675-54-3	bis-[4-(2,3-epoxipropoxi)phenyl]propane	>= 2,64
9003-36-5	Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	3,6

BCF

CAS No	Chemical name	BCF	Species	Source
1675-54-3	bis-[4- (2,3-epoxipropoxi)phenyl]propane	31		Study report (2010)

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

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Send to a hazardous waste incinerator facility under observation of official regulations.

SECTION 14: Transport information



according to Regulation (EC) No 1907/2006

	Kisling - 7408 - Component A 7410					
Revision date: 11.10.2023	Product code: 7408	Page 9 of 12				
Land transport (ADR/RID) <u>14.1. UN number or ID number:</u> <u>14.2. UN proper shipping name:</u> <u>14.3. Transport hazard class(es):</u> <u>14.4. Packing group:</u> Hazard label:	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin (Mn <= 700), reaction product: bisphenol-A-(epichlorhydri 9 III 9	n))				
Classification code: Special Provisions: Limited quantity: Excepted quantity: Transport category: Hazard No: Tunnel restriction code:	M6 274 335 375 601 5 L E1 3 90					
Inland waterways transport (ADN) <u>14.1. UN number or ID number:</u> <u>14.2. UN proper shipping name:</u> <u>14.3. Transport hazard class(es):</u> <u>14.4. Packing group:</u> Hazard label:	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. 9 III 9					
Classification code: Special Provisions: Limited quantity: Excepted quantity: Marine transport (IMDG) <u>14.1. UN number or ID number:</u> <u>14.2. UN proper shipping name:</u> <u>14.3. Transport hazard class(es):</u> <u>14.4. Packing group:</u> Hazard label:	M6 274 335 375 601 5 L E1 UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. 9 III 9					
Special Provisions: Limited quantity: Excepted quantity: EmS: Air transport (ICAO-TI/IATA-DGR) <u>14.1. UN number or ID number:</u> <u>14.2. UN proper shipping name:</u> <u>14.3. Transport hazard class(es):</u> <u>14.4. Packing group:</u> Hazard label:	274 335 969 5 L E1 F-A, S-F UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. 9 III 9					



according to Regulation (EC) No 1907/2006

	Kisling - 7408 - Component A 7410	
Revision date: 11.10.2023	Product code: 7408	Page 10 of 12
Special Provisions: Limited quantity Passenger: Passenger LQ: Excepted quantity: IATA-packing instructions - Passenger: IATA-max. quantity - Passenger:	A97 A158 A197 A215 30 kg G Y964 E1 964 450 L	
IATA-packing instructions - Cargo: IATA-max. quantity - Cargo:	964 450 L	
14.5. Environmental hazards ENVIRONMENTALLY HAZARDOUS:	Yes	73
Danger releasing substance:	epoxy resin (Mn <= 700), reaction product: bisphenol-A-(epichlorhydrin)
SECTION 15: Regulatory information		
15.1. Safety, health and environmental regu	Ilations/legislation specific for the substance or mixture	
EU regulatory information Restrictions on use (REACH, annex XVII) Entry 3	:	
2010/75/EU (VOC): Information according to 2012/18/EU (SEVESO III):	49.9 % (583.83 g/l) Not subject to 2012/18/EU (SEVESO III)	
National regulatory information		
Water hazard class (D):	2 - obviously hazardous to water	
15.2. Chemical safety assessment Chemical safety assessments for subs	stances in this mixture were not carried out.	

SECTION 16: Other information

according to Regulation (EC) No 1907/2006

Kisling - 7408 - Component A 7410

Revision date: 11.10.2023

Product code: 7408

Page 11 of 12

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). Skin Irrit: Skin irritation Eye Irrit: Eye irritation Skin Sens: Skin sensitisation Aquatic Chronic: Chronic aquatic hazard Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP] - :£ -

Classification	Classification procedure				
Skin Irrit. 2; H315	Calculation method				
Eye Irrit. 2; H319	Calculation method				
Skin Sens. 1; H317	Calculation method				
Aquatic Chronic 2; H411	Calculation method				

Relevant H and EUH statements (number and full text)

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.



according to Regulation (EC) No 1907/2006

Kisling - 7408 - Component A 7410

Revision date: 11.10.2023

Product code: 7408

Page 12 of 12

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, 18, 19	1	11, 19	4, 8a, 8c, 8d	4e, 4g, 5c, 6g, 7c, 7g, 8, 10, 11, 13	110	K+D
LCS: L	LCS: Life cycle stages SU: Sectors of use								
PC: Product categories				F	PROC: Process categories				
ERC: Environmental release categories				A	AC: Article categories				

TF: Technical functions

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