



Safety Data Sheet According to NCh 2245.Of2015

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AQUENCE KL 255

SDS No. : 383713
V001.4

IDH-No.:

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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Trade name:

AQUENCE KL 255

IDH-No.

Intended use:

Wood adhesives

E-mail address of person responsible for Safety Data Sheet:

ua-productsafety.la@henkel.com

Emergency information:

Cituc Química: +56(2) 22473600 Cituc Intoxicación: +56(2) 26353800

2. HAZARDS IDENTIFICATION

Classification according to NCh382

Not classified as hazardous according to NCh382.

Classification according to GHS

Classification system adopted: GHS 4th edition

Skin corrosion/irritation

Serious eye damage/eye irritation

Acute hazards to the aquatic environment

Category 2

Category 2A

Category 3

GHS Label elements

GHS label elements

Hazard pictogram:



Signal word:

Warning

Hazard statement:	H315 Causes skin irritation. H319 Causes serious eye irritation. H402 Harmful to aquatic life.
Precautionary statement: Prevention	P273 Avoid release to the environment. P280 Wear protective gloves/eye protection.
Precautionary statement: Response	P302+P352 IF ON SKIN: Wash with plenty of soap and water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Precautionary statement: Disposal	P501 Dispose of waste and residues in accordance with local authority requirements.

Security signal according yo NCh1411/4



3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Hazardous components	CAS-No.	content	Classification
2-(2-Butoxyethoxy)ethyl acetate	124-17-4	1- 5 %	UN
Aluminium chloride	7446-70-0	1- < 3 %	UN Skin corrosion 1B H314
Alcohols, C12-14, ethoxylated	68439-50-9	0,2- 0,25 %	UN Serious eye damage 1 H318 Acute hazards to the aquatic environment 1 H400 Chronic hazards to the aquatic environment 3 H412
Docusate sodium	577-11-7	0,1- 0,2 %	UN Skin irritation 2; Dermal H315 Serious eye damage 1 H318

**For full text of the H - statements and other abbreviations see section 16 "Other information".
Substances without classification may have community workplace exposure limits available.**

4. FIRST AID MEASURES

General information:

In case of exposure, immediate medical treatment necessary.

Inhalation:

Immediately remove victim to fresh air.
In case of adverse health effects seek medical advice.

Skin contact:

Rinse with running water and soap. Skin care. Remove contaminated clothes immediately.

Eye contact:

In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.

Ingestion:

DO NOT induce vomiting unless directed to do so by medical personnel.

Most important symptoms and effects, both acute and delayed

After skin contact: Moderate to strong irritation of the skin (redness, swelling, burning), severe burns also possible.
After eye contact: Moderate to strong irritation of the eyes (redness, swelling, burning, watering eyes).

Indication of any immediate medical attention and special treatment needed

Avoid the contact with the product during the rescue.
If necessary, symptomatic treatment should include support measures to correct electrolyte, metabolic disorders, and respiratory fai
In case of contact with the product do not rub the affected area.

5. FIREFIGHTING MEASURES

Suitable extinguishing media:

carbon dioxide, foam, water spray jet, fine water spray

Agentes de extinción inapropiados

High pressure waterjet

Precauciones para el personal de emergencia y/o los bomberos

Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).

Hazardous combustion products:

Oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

Equipo de protección y Procedimientos de emergencia

If large amounts are released contact the fire service.

Personal precautions:

Wear protective equipment.
Ensure adequate ventilation.

Precauciones medioambientales

Do not empty into drains / surface water / ground water.

Métodos y materiales de limpieza

Remove with liquid-absorbing material (sand, peat, sawdust).

7. HANDLING AND STORAGE

Manipulación:

Ensure that workrooms are adequately ventilated.
Avoid skin and eye contact.

Storage:

Suitable material for containers: original container.
It must maintain a distance of 1.2 m between hazardous the product and other hazardous substances.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters
Occupational Exposure Limits
Valid for
Chile

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
Aluminium chloride 7446-70-0		1,6	Time Weighted Average (TWA):		CL OEL

Biological Exposure Indices:
None

Medidas de ingeniería:
Ensure good ventilation/suction at the workplace.

Respiratory protection:
Suitable breathing mask when there is inadequate ventilation.

Protección de manos:
Suitable protective gloves.

Protección de ojos:
Wear protective glasses.

Protección de la piel y el cuerpo:
Wear protective equipment.

Precauciones específicas:
There is no thermal hazards.

General protection and hygiene measures:
Avoid skin and eye contact.
Do not eat, drink or smoke while working.

9. PHYSICAL AND CHEMICAL PROPERTIES

Aspecto (Estado físico, forma, color, etc)	liquid liquid white
Odor:	characteristic
pH: ()	3,7 - 4,0
Punto de fusión/punto de congelamiento	Not available.
Punto de ebullición, punto inicial de ebullición y rango de ebullición	Not available.
Flash point	Not available.
Explosion limit	Not available.
Vapor pressure	Not available.
Vapor density:	Not available.
Densidad/densidad relativa (agua = 1) ()	1,09 g/cm3
Solubility	Not available.
Coefficiente de partición n-octanol/agua	Not available.
Auto ignition temperature	Not available.
Decomposition point	Not available.
Viscosity (dynamic) (Brookfield; 25 °C (77 °F))	3.000 - 4.000 mPa.s

10. STABILITY AND REACTIVITY

Chemical stability:

Stable under normal conditions of temperature and pressure.

Hazardous reactions

None known.

Conditions to avoid:

Excessive heat.

Incompatible materials:

None known.

Hazardous decomposition products:

In case of fire toxic gases can be released.

11. TOXICOLOGICAL INFORMATION

Oral toxicity:

> 5.000 mg/kg Acute toxicity estimate (ATE)

Skin irritation:

Causes skin irritation.

Eye irritation:

Causes serious eye irritation.

Acute oral toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
2-(2-Butoxyethoxy)ethyl acetate 124-17-4	LD50	11.920 mg/kg	oral		rat	
Aluminium chloride 7446-70-0	LD50	3.450 mg/kg			rat	
Alcohols, C12-14, ethoxylated 68439-50-9	LD50	> 2.000 mg/kg			rat	OECD Guideline 401 (Acute Oral Toxicity)
Docusate sodium 577-11-7	LD50	> 2.100 mg/kg			rat	OECD Guideline 401 (Acute Oral Toxicity)

Acute inhalative toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
2-(2-Butoxyethoxy)ethyl acetate 124-17-4	LC50	73,7 mg/l	inhalation	4 h	rat	

Acute dermal toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
2-(2-Butoxyethoxy)ethyl acetate 124-17-4	LD50	15.000 mg/kg	dermal		rabbit	
Alcohols, C12-14, ethoxylated 68439-50-9	LD50	> 3.000 mg/kg			rabbit	OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Alcohols, C12-14, ethoxylated 68439-50-9	not irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Docosate sodium 577-11-7	Category 2 (irritant)	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Alcohols, C12-14, ethoxylated 68439-50-9	highly irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Docosate sodium 577-11-7	Category 1 (irreversible effects on the eye)		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Alcohols, C12-14, ethoxylated 68439-50-9	not sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
Docosate sodium 577-11-7	not sensitising		human	human repeat insult patch test

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
2-(2-Butoxyethoxy)ethyl acetate 124-17-4	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Alcohols, C12-14, ethoxylated 68439-50-9	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
	negative	in vitro mammalian chromosome aberration test	with and without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
	negative	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Alcohols, C12-14, ethoxylated 68439-50-9	negative	intraperitoneal		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

Carcinogenicity:

Not available.

Reproductive toxicity:

Not available.

Specific target organ toxicity - Single exposure:

Not available.

Specific target organ toxicity - Repeated exposure:

Not available.

Aspiration hazard:

Not available.

12. ECOLOGICAL INFORMATION

General ecological information:

Do not empty into drains, soil or bodies of water.
Harmful to aquatic organisms.

Ecotoxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
2-(2-Butoxyethoxy)ethyl acetate 124-17-4	LC50	50 - 70 mg/l	Fish	96 h	Brachydanio rerio (new name: Danio rerio)	OECD Guideline 203 (Fish, Acute Toxicity Test)
2-(2-Butoxyethoxy)ethyl acetate 124-17-4	EC50	665 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
2-(2-Butoxyethoxy)ethyl acetate 124-17-4	EC0	1.575 mg/l	Bacteria	30 min		
Aluminium chloride 7446-70-0	LC50	80 mg/l	Fish	48 h	Brachydanio rerio (new name: Danio rerio)	OECD Guideline 203 (Fish, Acute Toxicity Test)
Aluminium chloride 7446-70-0	EC50	1,5 mg/l	Daphnia	48 h		OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Aluminium chloride 7446-70-0	EC0	> 100 mg/l	Bacteria	30 min		
Alcohols, C12-14, ethoxylated 68439-50-9	LC50	1,5 mg/l	Fish	48 h	Leuciscus idus	DIN 38412-15
Alcohols, C12-14, ethoxylated 68439-50-9	EC50	2,5 mg/l	Daphnia	24 h	Daphnia magna	DIN 38412, part 11
Alcohols, C12-14, ethoxylated 68439-50-9	NOEC	> 0,1 - 1 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	DIN 38412-09
	EC50	0,87 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	DIN 38412-09
Alcohols, C12-14, ethoxylated 68439-50-9	EC0	10.000 mg/l	Bacteria	30 min	Pseudomonas putida	DIN 38412, part 27 (Bacterial oxygen consumption test)
Docosate sodium 577-11-7	LC50	49 mg/l	Fish	96 h	Brachydanio rerio (new name: Danio rerio)	EU Method C.1 (Acute Toxicity for Fish)
Docosate sodium 577-11-7	EC50	6,6 mg/l	Daphnia	48 h	Daphnia magna	EU Method C.2 (Acute Toxicity for Daphnia)
Docosate sodium 577-11-7	EC10	22 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	EU Method C.3 (Algal Inhibition test)
	EC50	82,5 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	EU Method C.3 (Algal Inhibition test)
Docosate sodium 577-11-7	EC10	122 mg/l	Bacteria	16,5 h	Pseudomonas putida	DIN 38412, part 8 (Pseudomonas Zellvermehrungs hemm-Test)

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
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2-(2-Butoxyethoxy)ethyl acetate 124-17-4		aerobic	> 90 %	OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test)
	readily biodegradable	aerobic	100 %	EU Method C.4-E (Determination of the "Ready" Biodegradability Closed Bottle Test)
Alcohols, C12-14, ethoxylated 68439-50-9	readily biodegradable	aerobic	78 - 79 %	EU Method C.4-E (Determination of the "Ready" Biodegradability Closed Bottle Test)
Docosate sodium 577-11-7	readily biodegradable	aerobic	68 %	EU Method C.4-E (Determination of the "Ready" Biodegradability Closed Bottle Test)

Bioaccumulative potential:

No data available.

Mobility in soil:

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
2-(2-Butoxyethoxy)ethyl acetate 124-17-4	1,3					
Aluminium chloride 7446-70-0	1,26					
Docosate sodium 577-11-7	1,998				20 °C	QSAR (Quantitative Structure Activity Relationship)

Other adverse effects:

No data available.

13. DISPOSAL CONSIDERATIONS

Product disposal:

Dispose of in accordance to the following applicable Chilean regulation: Decree No. 1, Supreme Decree No. 594, Supreme Decree No. 609 and Resolution No. 5081 of Ministry of Health or other applicable when it is disposed.

Disposal of uncleaned packages:

Dispose of in accordance to the following applicable Chilean regulation: Decree No. 1, Supreme Decree No. 594, Supreme Decree No. 609 and Resolution No. 5081 of Ministry of Health or other applicable when it is disposed.

14. TRANSPORT INFORMATION

General information:

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

Air transport IATA:

Not dangerous goods

15. REGULATORY INFORMATION

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

CHILEAN OFFICIAL REGULATION: Ch382.Of 2013 - Sustancias peligrosas - Terminología y clasificación general (equivalente a la norma DOT)

CHILEAN OFFICIAL REGULATION: NCh1411/4 of 1978 - Prevención de riesgos - Parte 4: Identificación de riesgos de materiales (equivalente a la norma NFPA 704)

CHILEAN OFFICIAL REGULATION: Norma Chilena N° 2245/15, Sustancias Química - Hoja de Datos de Seguridad - Requisitos.

CHILEAN OFFICIAL REGULATION: NCh 2190 of 2003 - Transporte de sustancias peligrosas - Distintivos para identificación de riesgos

CHILEAN OFFICIAL REGULATION: Decreto Supremo N° 148/03, Reglamento sanitario sobre manejo de residuos peligrosos.

CHILEAN OFFICIAL REGULATION: Decreto Supremo N° 298/94, Reglamenta transporte de cargas peligrosas por calles y caminos.

CHILEAN OFFICIAL REGULATION: Decreto Supremo N° 78/10, Reglamento de almacenamiento de sustancias peligrosas.

Chile. Prohibited Substances. Supreme Decree No. 594, art. 65: Regulating Basic Health and Environmental Conditions in the Workplace

16. OTHER INFORMATION

Further information:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

Changes control:

Estructura de HDS actualizada

Cambio en todas las secciones

Abbreviations:

ADNR: Regulations for the Carriage of Dangerous Goods on the Rhine.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

BCF - Bioconcentration Factor

BEI - Biological Exposure Indices

CAS: Chemical Abstracts Service

IARC - International Agency for Research on Cancer

IATA-DGR: International Air Transport Association – Dangerous Goods Regulations

IMDG: International Maritime Dangerous Goods code

LC 50: Lethal Concentration 50%

LD 50: Lethal Dose 50%

OECD: Organization for Economic Cooperation and Development

RID: International Rule for Transport of Dangerous Substances by Railway

STEL - Short term exposure limit

TLV - Threshold Limit Value

TWA - Time weighted average