Safety Data Sheet

Kuriflock 1455 ME

article number: 42639KAC

Version number: Vers. 1.0 Date of compilation: 18.09.2026

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

1.1 Product identifier

Trade name **Kuriflock 1455 ME**

Article number **42639KAC**

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

Relevant identified uses

Industrial use
Flocculant
Water treatment chemicals

1.3 Details of the supplier of the safety data sheet

Kurita Aquachemie FZE
Street S1100, Plot S40801
PO Box 16800 Jebel Ali South
United Arab Emirates
Telephone: +971 48 844 990
Telefax: +971 48 844 991
e-mail: KEG_PS@kurita-water.com
Website: www.kurita.eu

Name	*Street*	*Postal code/city*	*Telephone*
Kurita Europe GmbH	Theodor-Heuss-Anlage 2	DE-68165 Mannheim	+ 49 621 1218-3000

1.4 Emergency telephone number

Emergency CONTACT (24-Hour-Number):
Europe: GBK GmbH +49 (0)6132-84463
International: GBK/Infotrac ID 108808: (001) 352 323 3500
Assistance in mother tongue.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

Signal word not required

Pictograms not required

Supplemental hazard information

EUH210 Safety data sheet available on request.

2.3 Other hazards

Aqueous solutions or powders that become wet produce extremely slippery conditions.

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of ≥ 0,1%.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	*Identifier*	*Wt%*	*Classification acc. to GHS*	*Pictograms*
sulphamidic acid	CAS No 5329-14-6 EC No 226-218-8 Index No 016-026-00-0	2.5 – < 10	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Aquatic Chronic 3 / H412	

Remarks

For full text of abbreviations: see SECTION 16

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Rinse skin with water/shower. Mild irritant to skin.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water, holding the eyelids apart. Causes eye irritation.

Following ingestion

Rinse mouth. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

No specific antidote is known. Treatment of the symptoms.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water, Foam, Alcohol resistant foam, ABC-powder

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

Aqueous solutions or powders that become wet produce extremely slippery conditions.

Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO2), Nitrogen oxides (NOx), Hydrogen chloride (HCl), Hydrogen cyanide (HCN, prussic acid)

5.3 Advice for firefighters

Non-combustible. In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases. Aqueous solutions or powders that become wet produce extremely slippery conditions.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains, Take up mechanically

Advice on how to clean up a spill

Take up mechanically.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Store in a dry place. Store in a closed container. Keep away from: Bases, Oxidisers.

Managing of associated risks

Explosive atmospheres

Removal of dust deposits.

Specific designs for storage rooms or vessels

Storage temperature Recommended storage temperature: 0 – 35 °C

7.3 Specific end use(s)

Industrial use. Flocculant. Water treatment chemicals.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)
this information is not available

Relevant DNELs of components

Name of substance	*CAS No*	*End-point*	*Threshold level*	*Protection goal, route of exposure*	*Used in*	*Exposure time*
sulphamidic acid	5329-14-6	DNEL	70.5 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
sulphamidic acid	5329-14-6	DNEL	10 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

Relevant PNECs of components

Name of substance	*CAS No*	*End-point*	*Threshold level*	*Environmental compartment*	*Source*
sulphamidic acid	5329-14-6	PNEC	0.0048 mg/cm³	marine water	
sulphamidic acid	5329-14-6	PNEC	0.173 mg/cm³	marine sediment	
sulphamidic acid	5329-14-6	PNEC	0.048 mg/cm³	freshwater	
sulphamidic acid	5329-14-6	PNEC	1.8 mg/l	freshwater	ECHA Chem
sulphamidic acid	5329-14-6	PNEC	0.18 mg/l	marine water	ECHA Chem
sulphamidic acid	5329-14-6	PNEC	20 mg/l	sewage treatment plant (STP)	ECHA Chem
sulphamidic acid	5329-14-6	PNEC	8.36 mg/kg	freshwater sediment	ECHA Chem
sulphamidic acid	5329-14-6	PNEC	0.84 mg/kg	marine sediment	ECHA Chem
sulphamidic acid	5329-14-6	PNEC	5 mg/kg	soil	ECHA Chem

8.2 Exposure controls

Risk Management Measures (RMM) are also valid for made-up preparation.

Appropriate engineering controls

Local and general ventilation. In case of dust formation: Exhaust ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection. Use safety goggle with side protection.

Skin protection

Hand protection

In case of spray contact at least protection index 2 recommended, according to more than 30 min. penetration time (EN 374).
Layer thickness of gloves at least: 0.4 mm
In case of prolonged and intensive contact protection index 6 recommended, according to more than 480 min. penetration time (EN 374).
Layer thickness of gloves at least: 0.7 mm.

Type of material

PVC: polyvinyl chloride, PE: polyethylene, CR: chloroprene (chlorobutadiene) rubber, NBR: acrylonitrile-butadiene rubber, IIR: isobutene-isoprene (butyl) rubber, FKM: fluoro-elastomer

Breakthrough times of the glove material

Breakthrough times and swelling properties of the material must be taken into consideration

Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Body protection

Wear suitable working clothes.

Respiratory protection

In case of dust formation adequate particulate filter (EN 143): P2 (filters at least 94 % of airborne particles, colour code: White).

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	solid (granulate)
Colour	white
Odour	odourless
Melting point/freezing point	>100 °C
Boiling point or initial boiling point and boiling range	not applicable
Evaporation rate	not applicable
Flammability	non-combustible
Lower and upper explosion limit	not relevant (solid)
Flash point	not applicable
Auto-ignition temperature	not determined
Decomposition temperature	>200 °C
pH (value)	2.5 – 4.5 (in aqueous solution: 5 $^{g}/_{l}$)
Kinematic viscosity	not relevant

Solubility(ies)

Water solubility	miscible in any proportion

Partition coefficient

Partition coefficient n-octanol/water (log value)	<0

Vapour pressure	not determined

Density and/or relative density

Density	0.6 – 0.9 $^{g}/_{cm^3}$
Relative vapour density	not relevant (solid)

Particle characteristics	no data available

9.2 Other information

Information with regard to physical hazard classes hazard classes acc. to GHS (physical hazards): not relevant

Corrosive to metals	non-corrosive to metals

Other safety characteristics

Miscibility	Completely miscible with water.

SECTION 10: Stability and reactivity

10.1 Reactivity

This material is not reactive under normal ambient conditions.

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

Exothermic reaction with: Oxidizing substances.

10.4 Conditions to avoid

Aqueous solutions or powders that become wet produce extremely slippery conditions.

10.5 Incompatible materials

Oxidisers, Alkalis

10.6 Hazardous decomposition products

Nitrogen oxides (NOx). Carbon dioxide (CO2). Carbon monoxide (CO). Hydrogen chloride (HCl). Hydrogen cyanide (HCN, prussic acid). Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

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

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification according to GHS (1272/2008/EC, CLP)

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

Acute toxicity

Shall not be classified as acutely toxic.

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

11.2 Information on other hazards

There is no additional information.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.

SECTION 12: Ecological information

12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

Aquatic toxicity (acute) of components

Name of substance	*CAS No*	*Endpoint*	*Value*	*Species*	*Source*	*Exposure time*
sulphamidic acid	5329-14-6	ErC50	48 $^{mg}/_{l}$	algae	ECHA	72 h
sulphamidic acid	5329-14-6	LC50	70.3 $^{mg}/_{l}$	fathead minnow (Pimephales promelas)	ECHA Chem	96 h
sulphamidic acid	5329-14-6	EC50	71.6 $^{mg}/_{l}$	daphnia magna	ECHA Chem	24 h

Aquatic toxicity (chronic) of components of the mixture						
Name of substance	*CAS No*	*Endpoint*	*Value*	*Species*	*Source*	*Exposure time*
sulphamidic acid	5329-14-6	EC50	>60 mg/l	daphnia magna	ECHA Chem	21 d
sulphamidic acid	5329-14-6	NOEC	≥60 mg/l	zebra fish (Danio rerio)	ECHA Chem	34 d
sulphamidic acid	5329-14-6	LOEC	34 mg/l	daphnia magna	ECHA Chem	21 d

12.2 Persistence and degradability

Biodegradation

Readily biodegradable.

12.3 Bioaccumulative potential

Accumulation in organisms is not to be expected. .

Bioaccumulative potential of components of the mixture				
Name of substance	*CAS No*	*BCF*	*Log KOW*	*BOD5/COD*
sulphamidic acid	5329-14-6		0.1 (20 °C)	

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of ≥ 0,1%.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number or ID number	not subject to transport regulations
14.2 UN proper shipping name	not relevant
14.3 Transport hazard class(es)	none

14.4 Packing group not assigned

14.5 Environmental hazards non-environmentally hazardous acc. to the dangerous goods regulations

14.6 Special precautions for user

There is no additional information.

14.7 Maritime transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) Additional information

Not subject to ADR, RID and ADN.

International Maritime Dangerous Goods Code (IMDG) Additional information

Not subject to IMDG.

International Civil Aviation Organization (ICAO-IATA/DGR) Additional information

Not subject to ICAO-IATA.

SECTION 15: Regulatory information

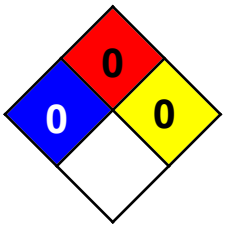
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

There is no additional information.

Industry or sector specific available guidance(s)

NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).



Category	*Degree of hazard*	*Description*
Flammability	0	material that will not burn under typical fire conditions
Health	0	material that, under emergency conditions, would offer no hazard beyond that of ordinary combustible material
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

15.2 Chemical safety assessment

Chemical Safety Assessment: No

SECTION 16: Other information

Abbreviations and acronyms

Abbr.	*Descriptions of used abbreviations*
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)
Aquatic Chronic	Hazardous to the aquatic environment - chronic hazard
BCF	Bioconcentration factor
BOD	Biochemical Oxygen Demand
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
COD	Chemical oxygen demand
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
ED	Endocrine disruptor
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
ErC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
index No	The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
LOEC	Lowest Observed Effect Concentration
log KOW	n-Octanol/water
NLP	No-Longer Polymer
NOEC	No Observed Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration

Abbr.	*Descriptions of used abbreviations*
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
UN	United Nations
vPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU. ECHA: European Chemicals Agency, http://echa.europa.eu/.
Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.
Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in section 2 and 3)

Code	*Text*
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.8 Other

All trademarks, service marks, and trade names referenced in this Safety Data Sheet are the property of their respective owners. Use of such names does not imply endorsement or affiliation.