

SAFETY DATA SHEET

This Safety Data Sheet was compiled in accordance with regulation 30105 dated 23 June 2017 "Regulation on the Registration, Evaluation, Authorisation and Restriction of Chemicals (KKDIK)"

Revision Date 10-Jul-2024 Issue Date 24-May-2005

Version 1.2

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

1.1. Product identifier	
Product Code(s)	LCK521
Product Name	LCK521 Eisen / Iron / Fer, DosiCap A
Safety data sheet number	M03744
Pure substance/mixture	Mixture
1.2. Relevant identified uses of the	substance or mixture and uses advised against
Recommended Use	Water Analysis Analytical reagent
Uses advised against	Consumer use
1.3. Details of the supplier of the s	afety data sheet
<u>Supplier</u> HACH LANGE GmbH Willstätterstr. 11 D-40549 Düsseldorf Tel: +49 (0)211 5288-383 sds@hach.com	
Responsible country contact:	
HACH UK Laser House Ground Floor, Suite B Waterfront Quay, Salford Quays GB - Manchester, M50 3XW Tel. +44 (0) 161 872 1487 info-uk@hach.com	
HACH Ireland Unit 34 GB Business Park Little Island IRL-Co. Cork T45 H681 Tel. +353 (0)146 02 522 info-ie@hach.com	
1.4. Emergency telephone number	_
Emergency telephone number	National Poison Information Center (UZEM) - Turkey: 114

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Turkish CLP (28848), as amended

Chronic aquatic toxicity

Category 2 - (H411)

2.2. Label elements



Hazard statements H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements

P273 - Avoid release to the environment.P391 - Collect spillage.P501 - Dispose of contents/ container to an approved waste disposal plant.

2.3. Other hazards

Toxic to aquatic life.

PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

The product contains no substances which at their given concentration, are considered to be hazardous to health **Chemical nature** Mixture of organic compounds.

Chemical name	CAS No. EC No. Index No.	Weight-%	Classification according to Turkish CLP (28848), as amended	Specific concentration limit (SCL)	KKDIK registration number
1,10-Phenanthrolin	18851-33-7 223-325-1	1 - 5%	Acute Tox. 3 - H301 Aquatic Acute 1 - H400		Not available

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Chemical name	CAS No. EC No. Index No.	Weight-%	Classification according to Turkish CLP (28848), as amended	Specific concentration limit (SCL)	KKDIK registration number
monohydrochloride, monohydrate	-		Aquatic Chronic 1 - H410		
Ferric nitrate nonahydrate	7782-61-8 - -	<0.01%	Ox. Sol. 3 - H272 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335		Not available

Full text of H- and EUH-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	Show this safety data sheet to the doctor in attendance.	
Inhalation	Remove to fresh air.	
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.	
Skin contact	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor.	
Ingestion	Rinse mouth.	
4.2. Most important symptoms and effects, both acute and delayed		
Symptoms	No information available.	
Effects of Exposure	No information available.	
4.3. Indication of any immediate medical attention and special treatment needed		
Note to doctors	Treat symptomatically.	

SECTION 5: Firefighting measures

5.1. Extinguishing media		
Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.	
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.	
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.	
5.2. Special hazards arising from the substance or mixture		

Specific hazards arising from the chemical	Thermal decomposition can lead to release of irritating and toxic gases and vapours.
Hazardous combustion products	Carbon monoxide. Carbon dioxide (CO2). Nitrogen oxides (NOx).
5.3. Advice for firefighters	
Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective	equipment and emergency procedures
Personal precautions	Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Evacuate personnel to safe areas.
For emergency responders	Use personal protection recommended in Section 8.
6.2. Environmental precautions	
Environmental precautions	Should not be released into the environment. See Section 12 for additional Ecological Information.
6.3. Methods and material for conta	inment and cleaning up
Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Take up mechanically, placing in appropriate containers for disposal. Avoid generation of dust.
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.
6.4. Reference to other sections	
Reference to other sections	See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling Ensure adequate ventilation. Advice on safe handling Ensure adequate ventilation. General hygiene considerations Handle in accordance with good industrial hygiene and safety practice. 7.2. Conditions for safe storage, including any incompatibilities Storage Conditions Keep container tightly closed in a dry and well-ventilated place. 7.3. Specific end use(s)

Specific use(s)	Analytical reagent.
Risk Management Methods (RMM)	The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical name	Türkiye	European Union	ACGIH TLV
Ferric nitrate nonahydrate	-	-	TWA: 1 mg/m ³ Fe
7782-61-8			-

Biological occupational exposure This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

Derived No Effect Level (DNEL) - Workers No information available

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering controls Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Hand protection

Wear suitable gloves. Barrier creams may help to protect the exposed areas of skin. Gloves must be inspected prior to use. The selected protective gloves have to satisfy the specifications of EU Directive 2016/425 and the standard EN 374-1:2016 derived from it. Chemical resistant gloves made of butyl rubber or nitrile rubber category III acco.

Gloves				
Duration of contact	PPE - Glove material	Glove thickness	Break through time	
Long term (repeated)	Wear protective Viton™ gloves	0,70 mm	>480 minutes	
Short term	Wear protective nitrile rubber gloves	0,20 mm	>30 minutes	
Skin and body protection	Avoid contact with eyes, skin a sleeved clothing.	Avoid contact with eyes, skin and clothing. Wash contaminated clothing before reuse. Long sleeved clothing.		
Respiratory protection	Ensure adequate ventilation. I conditions. If exposure limits a			

Remarks • Method

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	evacuation may be required. Wear breathing apparatus if exposed to vapours/dusts/aerosols.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls	Do not allow into any sewer, on the ground or into any body of water.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid
Appearance	powder
Colour	beige
Odour	Odourless.
Odour threshold	Not applicable
Property	Values
Molecular weight	Not applicable
pH	No data available
Melting point / freezing point	No data available

рН	No data available
Melting point / freezing point	No data available
Initial boiling point and boiling range	No data available
Evaporation rate	Not applicable
Vapour pressure	Not applicable
Relative vapor density	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity	
Dynamic viscosity	Not applicable
Kinematic viscosity	Not applicable
Relative density	1.133 g/mL

Solubility(ies)

Water solubility

Water solubility classification	Water solubility	Water Solubility Temperature
Completely soluble	> 10000 mg/L	25 °C / 77 °F

Solubility in other solvents

Chemical Name	Solubility classification	Solubility	Solubility Temperature
None reported	No information available	No data available	No information available
Metal Corrosivity Steel Corrosion Rate Aluminum Corrosion Rate		Not applicable Not applicable	
Explosive properties			
Upper explosion limit		No data available	

Lower explosion limit	No data available
Flammable properties	
Flash point	No data available
Flammability	
Upper flammability limit: Lower flammability limit	No data available No data available
Oxidising properties	No data available.
Bulk density	No data available
9.2. Other information	

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No information available.
10.2. Chemical stability	
Stability	Stable under normal conditions.
Explosion data Sensitivity to mechanical impac Sensitivity to static discharge	
10.3. Possibility of hazardous reacti	ons
Possibility of hazardous reactions	None under normal processing.
Hazardous polymerisation	Hazardous polymerisation does not occur.
10.4. Conditions to avoid	
Conditions to avoid	None known based on information supplied.
10.5. Incompatible materials	
Incompatible materials	None known based on information supplied.
10.6. Hazardous decomposition pro	ducts
Hazardous Decomposition Products	Carbon monoxide. Carbon dioxide (CO2). Nitrogen oxides (NC

Decomposition Products Carbon monoxide. Carbon dioxide (CO2). Nitrogen oxides (NOx).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met

Mixture No data available.

Substance Test data reported below.

Oral Exposure Route:

Chemical name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
D-Mannitol	Rat LD₅₀	13500 mg/kg	None reported	None reported	RTECS
1,10-Phenanthroline, monohydrochloride, monohydrate	Rat LD50	132 mg/kg	None reported	None reported	Vendor SDS
Ferric nitrate nonahydrate	Rat LD₅₀	3250 mg/kg	None reported	None reported	GESTIS

Acute Toxicity Estimate (ATE) Not applicable

ATEmix (oral)	9.900.20 ma/ka
	e;eee.ze mg/kg

Unknown acute toxicity

0 % of the mixture consists of ingredient(s) of unknown toxicity.

Skin corrosion/irritation

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

Mixture No data available.

Substance

Test data reported below.

Chemical name	Test method	Species	Reported dose	Exposure time	Results	Key literature references and sources for data
2-Pyrrolidinone, 1-ethenyl-, homopolymer	None reported	Rabbit	None reported	None reported	Not corrosive or irritating to skin	Vendor SDS

Serious eye damage/eye irritation

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

Mixture No data available.

Substance

Test data reported below.

Chemical name	Test method	Species	Reported dose	Exposure time	Results	Key literature references and sources for data
2-Pyrrolidinone, 1-ethenyl-,	None reported	Rabbit	None reported	None reported	Not corrosive or irritating to eyes	Vendor SDS

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	homopolymer						
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Respiratory or skin sensitisation

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

Mixture No data available.

Substance Test data reported below.

Skin Sensitization Exposure Route:

Chemical name	Test method	Species	Results	Key literature references and sources for data
2-Pyrrolidinone, 1-ethenyl-, homopolymer	OECD Test No. 406: Skin Sensitisation	Guinea pig	No sensitisation responses were observed.	Vendor SDS

STOT - single exposure

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

Mixture No data available.

Substance Test data reported below.

Oral Exposure Route:

Chemical name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
D-Mannitol	Mouse LD50	22000 mg/kg	None reported	Somnolence	Vendor SDS

STOT - repeated exposure

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

Mixture No data available.

Substance No data available.

Germ cell mutagenicity

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

Mixture invitro Data No dat

No data available.

Substance invitro Data

Test data reported below.

Chemical name	Test	Cell Strain	Reported	Exposure	Results	Key literature
			dose	time		references and

						sources for data
L-Ascorbic acid	DNA damage	Human fibroblast	0.2 mmol/L	None reported	Positive test result for	RTECS
					mutagenicity	
D-Mannitol	DNA inhibition	Human lymphocyte	50 mmol/L	None reported	Positive test result for	RTECS
					mutagenicity	

Mixture invivo Data	No data available.
Substance invivo Data	No data available.
Carcinogenicity Based on available data, the classi	fication criteria are not met.
Martura	No doto ovoilable

Mixture	No data available.
Substance	No data available.

Reproductive toxicity

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

Mixture	No data available.

Substance Test data reported below.

Oral Exposure Route:

Chemical name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
L-Ascorbic acid	Guinea pig TD⊾₀	19500 mg/kg	28 days	None reported	RTECS

Aspiration hazard

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

<u>11.2. Information on other hazards</u> Other dangerous properties can not be excluded. Handle in accordance with good industrial hygiene and safety practice.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Unknown aquatic toxicity	Contains 0 % of components with unknown hazards to the aquatic environment.
<u>Mixture</u>	
Acute aquatic toxicity:	No data available.
Aquatic Chronic Toxicity:	No data available.

Substance

Acute aquatic toxicity:

Test data reported below.

Fish:

Chemical name	Exposure time	Species	Endpoint type	Reported dose	Key literature references and sources for data
L-Ascorbic acid	96 hours	None reported	LC ₅₀	44200 mg/L	ECOSARS
D-Mannitol	96 hours	None reported	LC50	5690000 mg/L	ECOSARS
1,10-Phenanthroline, monohydrochloride, monohydrate	96 hours	None reported	LC ₅₀	0.091 mg/L	CEPA

Crustacea:

Chemical name	Exposure	Species	. •	Reported dose	Key literature references and
	time		type		sources for data
L-Ascorbic acid	48 Hours	None reported	LC50	17500 mg/L	ECOSARS
D-Mannitol	48 Hours	None reported	LC50	2020000 mg/L	ECOSARS
1,10-Phenanthroline, monohydrochloride, monohydrate	48 Hours	None reported	EC50	0.072 mg/L	CEPA

Algae:

Chemical name	Exposure time	Species	Endpoint type	Reported dose	Key literature references and sources for data
L-Ascorbic acid	96 hours	None reported	EC ₅₀	29675 mg/L	ECOSARS
D-Mannitol	96 hours	None reported	EC ₅₀	215000 mg/L	ECOSARS

Aquatic Chronic Toxicity:

No data available.

12.2. Persistence and degradability

Mixture: No data available.

12.3. Bioaccumulative potential

Mixture:	No data available.
Partition coefficient:	No data available

12.4. Mobility in soil

Soil Organic Carbon-Water Partition No data available Coefficient:

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

Chemical name	PBT and vPvB assessment		
Ferric nitrate nonahydrate	PBT assessment does not apply		

12.6. Endocrine disrupting properties

Endocrine Disruptor Information:	This product does not contain any known or suspected endocrine disruptors	

12.7. Other adverse effects

Ozone:	Not applicable
Ozone depletion potential (ODP):	No information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. Our local agencies will accept used cuvettes to ensure their proper disposal.
Contaminated packaging	Do not reuse empty containers.

SECTION 14: Transport information

IMDG

 14.1 UN number or ID number 14.2 UN proper shipping name 14.3 Transport hazard class(es) 14.4 Packing Group 14.5 Environmental hazards 14.6 Special precautions for user Special Provisions EmS-No 14.7 Maritime transport in bulk according to IMO instruments 	UN3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (FERRIC NITRATE NONAHYDRATE) 9 III Yes 274, 335, 966, 967, 969 F-A, S-F No information available
ADR 14.1 UN number or ID number 14.2 UN proper shipping name 14.3 Transport hazard class(es) 14.4 Packing Group 14.5 Environmental hazards 14.6 Special precautions for user Special Provisions Classification code Tunnel restriction code	3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S. (Ferric nitrate nonahydrate) 9 III Yes 274, 335, 601, 375 M7 (-)
IATA 14.1 UN number or ID number 14.2 UN proper shipping name 14.3 Transport hazard class(es) 14.4 Packing group 14.5 Environmental hazards 14.6 Special precautions for user	UN3077 Environmentally hazardous substance, solid, n.o.s. (Ferric nitrate nonahydrate) 9 III Yes

Special Provisions None

Additional information Not regulated Special Provisions: 197(IATA), 969(IMO), 375(ADR)

SECTION 15: Regulatory information

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

This Safety Data Sheet was compiled in accordance with regulation 30105 dated 23 June 2017 "Regulation on the Registration, Evaluation, Authorisation and Restriction of Chemicals (KKDIK)"

This product is classified in accordance with 28848 dated 11 December 2013 "The Ministry of Environment and Urbanisation of the Republic of Türkiye Regulation on Classification, Labelling and Packaging (CLP) of Dangerous Substances and Preparations" As amended by regulation 31330 dated 10 December 2020 "Regulation on Classification, Labelling and Packaging of Substances and Mixtures"

Please refer to the following regulations or other national measures that are related.

Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation This product does not contain substances subject to restriction

Health and Safety Measures Involving Chemical Substances at Workplaces - Prohibited Substances None

Dangerous substance category per Regulation on prevention of major industrial accidents and lessening their adverse impacts (30702)

E2 - Hazardous to the Aquatic Environment in Category Chronic 2

Ozone-depleting substances (ODS)

Not applicable

The Rotterdam Convention

Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

International Inventories	
KKDIK	Contact supplier for inventory compliance status
TSCA	Not Listed
DSL/NDSL	Contact supplier for inventory compliance status
EINECS/ELINCS	Complies
ENCS	Contact supplier for inventory compliance status
IECSC	Complies
KECL	Contact supplier for inventory compliance status
PICCS	Complies

AICS NZIoC Complies

KKDIK - Turkish Inventory and Control of Chemicals
 TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
 ENCS - Japan Existing and New Chemical Substances
 IECSC - China Inventory of Existing Chemical Substances
 KECL - Korean Existing and Evaluated Chemical Substances
 PICCS - Philippines Inventory of Chemicals and Chemical Substances
 AICS - Australian Inventory of Chemical Substances
 NZIoC - New Zealand Inventory of Chemicals

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information

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Key or legend to abbreviations and acronyms used in the safety data sheet

Legend

**	Hazard Designation
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies
	de navigation intérieure
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
CAS	Chemical Abstracts Service Number
Ceiling	Maximum limit value
CLP	Classification, Labelling and Packaging of substances and mixtures [Regulation (EC) No.
	1272/2008]
DNEL	Derived No Effect Level (DNEL)
EC	European Community
ECHA	ECHA (The European Chemicals Agency)
EC50	Effective Concentration to 50% of a test population
EEC	European Economic Community
EN	European Standard
IMDG	International Maritime Dangerous Goods (IMDG)
ΙΑΤΑ	International Air Transport Association (IATA)
IATA-DGR	International Air Transport Association - Dangerous Goods Regulations
ICAO	International Civil Aviation Organization
ICAO-TI	International Civil Aviation Organization - Technical Instructions
IUCLID	IUCLID (The International Uniform Chemical Information Database)
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
LOAEL	Lowest observed adverse effect level
LOAEC	Lowest observed adverse effect concentration
LC50	Lethal Concentration to 50% of a test population
	• •

LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
MAK	Maximale Arbeitsplatz-Konzentration, a German expression corresponding to threshold limit
	value, which relates to safe daily exposure levels to chemical substances
NOAEL	NOAEL (No observed adverse effect level)
NOAEC	No observed adverse effect concentration
OSHA	OSHA (Occupational Safety and Health Administration of the US Department of Labour)
PEC	Predicted Effect Concentration
PNEC	Predicted No Effect Concentration (PNEC)
PBT	Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals [Regulation (EC) No.
	1907/2006])
RTECS	RTECS (Registry of Toxic Effects of Chemical Substances)
SEA	Regulation on Classification, Labeling and Packaging of Substances and Mixtures (Official
	Gazette: 28848 (repeated), 11.12.2013)
SKN*	Skin designation
SKN+	Skin sensitisation
STEL	STEL (Short Term Exposure Limit)
STOT	Specific Target Organ Toxicity
STOT RE	Specific target organ toxicity — repeated exposure
STOT SE	Specific target organ toxicity — single exposure
SVHC	Substances of Very High Concern
TLV	Threshold Limit Value
TRGS	Technical rules for hazardous substances, Germany
TSCA	Toxic Substances Control Act
TWA	TWA (time-weighted average)
UN	United Nations
vPvB	very persistent and very bioaccumulative
VOC	Volatile organic compounds
AwSV	Administrative regulation of water polluting substances, Germany
Key literature references and	See Section 11: TOXICOLOGICAL INFORMATION
e e e	

Key literature references and	
sources for data	

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWĂ	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	SKN*	Skin designation

See Section 12: ECOLOGICAL INFORMATION

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute aquatic toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - Vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method

Chronic aquatic toxicity	Calculation method
Aspiration toxicity	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS Agency for Toxic Substances and Disease Registry (ATSDR) U.S. Environmental Protection Agency ChemView Database European Food Safety Authority (EFSA) Environmental Protection Agency Acute Exposure Guideline Level(s) (AEGL(s)) U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act U.S. Environmental Protection Agency High Production Volume Chemicals Food Research Journal Hazardous Substance Database International Uniform Chemical Information Database (IUCLID) National Institute of Technology and Evaluation (NITE) Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS) NIOSH (National Institute for Occupational Safety and Health) National Library of Medicine's ChemID Plus (NLM CIP) National Library of Medicine's PubMed database (NLM PUBMED) U.S. National Toxicology Program (NTP) New Zealand's Chemical Classification and Information Database (CCID) Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme Organisation for Economic Co-operation and Development Screening Information Data Set World Health Organization Prepared By Hach Product Compliance Department

Trepared by	
Certification number	KDU01-20-01
	Kimyasal Değerlendirme Uzmanı: Gözde Goetz
	info@onaymuhendislik.com
Certification date	08-Jun-2027
Restrictions on use	For Laboratory Llas Only
Resulctions on use	For Laboratory Use Only.

Disclaimer

USER RESPONSIBILITY: Each user should read and understand this information and incorporate it in individual site safety programs in accordance with applicable hazard communication standards and regulations.

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.

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End of Safety Data Sheet