

Safety data sheet
according to 1907/2006/EC, Article 31

print: 08.06.2015

rev n°: 5

Revision date: 08.06.2015

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

1.1 Product identifier

Trade name: *K EXPRESS*

kind of formulation: *soluble powder (SP)*

Article number: *594111*

Use *Fertiliser*

kind of product: *Fertiliser CE - Low Chlorine NK 3.0.50 fertiliser.*

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

Relevant use: *Agriculture.*

Application of the substance / the mixture *Agricultural chemicals*

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

SIPCAM ITALIA SPA - VIA VITTORIO VENETO 81 - 26857 SALERANO SUL LAMBRO (LODI) - ITALY

TEL +39-0371-5961 FAX +39-0371-71408

1.4 Emergency telephone number:

Emergency phone: *+ 39 0371 5961 (24/24h)*

For any questions regarding this MSDS please contact:

msds@sipcam.it

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS05

Signal word *Danger*

Hazard-determining components of labelling:

tetrasodium ethylenediaminetetraacetate

Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements

P102 Keep out of reach of children.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P302+P352 IF ON SKIN: Wash with plenty of soap and water.

Additional information:

Do not contaminate water with the product or its container.

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable**vPvB:** Not applicable

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures**Description:** Mixture of the substances listed below with harmless additions.**Dangerous components:**

N° CAS	Designation	R-Phrases	%
CAS: 64-02-8	tetrasodium ethylenediaminetetraacetate		5.0-10.0%
EINECS: 200-573-9	☞ Eye Dam. 1, H318; ☞ Acute Tox. 4, H302; Acute Tox. 4, H332		

SECTION 4: First aid measures

4.1 Description of first aid measures**General information**

Instantly remove any clothing soiled by the product.

Show this safety data sheet to the doctor.

After inhalation

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness bring patient into stable side position for transport.

After skin contact Instantly wash with water and soap and rinse thoroughly.**After eye contact**

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

After swallowing

Rinse out mouth without swallowing, do not induce vomiting.

Instantly call for doctor.

4.2 Most important symptoms and effects, both acute and delayed

Prolonged and repeated exposures may cause:

Mucosal and skin irritation.

Irritation of respiratory system.

Allergic reactions

Irritant for skin or mucous membranes.

Prolonged contact may cause dermatitis and allergic reactions.

4.3 Indication of any immediate medical attention and special treatment needed

Seek the advice of a Poison Control Centre

Treat symptomatically and supportively

SECTION 5: Firefighting measures

5.1 Extinguishing media**Suitable extinguishing agents**CO₂, extinguishing powder. Fight larger fires with water spray or alcohol-resistant foam. Do not use a direct stream of water to extinguish.**For safety reasons unsuitable extinguishing agents** Avoid the use of direct water jet.**5.2 Special hazards arising from the substance or mixture**

Can be released in case of fire:

Carbon monoxide (CO)

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Nitrous oxides (NO_x)**5.3 Advice for firefighters****Protective equipment:**

Wear self-contained breathing apparatus.

Wear full protective suit.

Do not inhale explosion gases or combustion gases.

Additional information

Collect contaminated fire fighting water separately. It must not enter drains.

Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures** Wear protective clothing.**6.2 Environmental precautions:**

Collect with suitable equipment and do not allow to enter drainage system, surface or ground water.

Do not allow to enter drainage system, surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Collect mechanically.

Dispose of contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Store in cool, dry place in tightly closed containers.

The usual precautionary measures for handling chemicals shall be observed.

Wear personal protective equipments (PPE).

Do not eat, drink or smoke while working.

Handling Avoid direct or indirect contact with the product. Do not eat, drink or smoke while working.**Information about protection against explosions and fires:** Keep ignition sources away - Do not smoke.**7.2 Conditions for safe storage, including any incompatibilities****Storage**

Store the product in cool and dry place, far from heat sources, direct sunlight and drain wells.

Store out the reach of children, unauthorised persons and pets, separately from food, animal feed and drinking water.

Requirements to be met by storerooms and containers: Store only in the original container.**Information about storage in one common storage facility:**

Do not store together with oxidising and acidic materials.

Do not store together with alkalis (caustic solutions).

Prevent storage with incompatible materials (see chapter 10).

Further information about storage conditions:

Store in cool, dry conditions in well sealed containers.

Protect from heat and sunlight. Store at 35 °C max.

Protect from frost.

Keep containers upward and prevent shocks and falls.

7.3 Specific end use(s)

Agriculture

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To be applied strictly for the uses described in the label.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical systems: Eye wash stations shall be available in the floor.

8.1 Control parameters

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs

64-02-8 tetrasodium ethylenediaminetetraacetate

Inhalative	DNEL Long-term	2.5 mg/m ³ (workers) 1.5 mg/m ³ (consumers)
	DNEL Short-term	2.5 mg/m ³ (workers) 1.5 mg/m ³ (consumers)

PNECs

64-02-8 tetrasodium ethylenediaminetetraacetate

PNEC	43 mg/l (sewage treatment plant)
	0.72 mg/kg (soil)
	2.2 mg/l (fresh water)
	1.2 mg/l (intermittent release in water)
	0.22 mg/l (marine water)

Additional information: The lists that were valid during the compilation were used as basis.

8.2 Exposure controls

Personal protective equipment

General protective and hygienic measures

The usual precautionary measures for handling chemicals shall be observed.

Do not eat, drink or smoke while working.

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

Breathing equipment: Use breathing protection in case of insufficient ventilation.

Protection of hands:



Protective gloves (rubber or plastic).

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Eye protection:



Tightly sealed safety glasses.

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Body protection:

Protective work clothing.

Boots Safety shoes

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Crystalline powder
Colour:	Pink
Odour:	Odourless
Odour threshold:	Not determined.

pH-value at 20 °C: 10.4 (6.4% sol.)

Change in condition

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	1074 °C

Flash point: Not applicable

Inflammability (solid, gaseous) Product is not inflammable.

Ignition temperature:

Decomposition temperature: Not determined.

Self-inflammability: Product is not selfigniting.

Danger of explosion: Product is not explosive.

Critical values for explosion:

Oxidising properties Not an oxidiser

Vapour pressure: Not determined.

Density Not determined

Relative density 1.3 g/cm³

Vapour density Not determined.

Evaporation rate Not determined.

Solubility in / Miscibility with

Water: Soluble

Partition coefficient (n-octanol/water): Not determined.

Viscosity:

dynamic: Not applicable.

kinematic: Not applicable.

Solvent content:

Solids content: 100 %

9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity The product is not reactive under recommended handling conditions.

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10.2 Chemical stability Stable under the recommended handling and storage conditions (see section 7).

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions are known.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: Avoid contact with strong acids, strong bases and oxidants.

10.6 Hazardous decomposition products:

None in standard storage conditions.

Thermal decomposition products may include:

Corrosive gases/vapours

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification:

64-02-8 tetrasodium ethylenediaminetetraacetate

Oral	LD50	1780-2000 mg/kg (rat)
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Inhalative	LC50 (4 h)	1000-5000 mg/l (rat)
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Primary irritant effect:

on the skin: Irritant to skin and mucous membranes.

on the eye: Irritant effect.

Sensitisation: No sensitizing effect known.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

Irritant

Acute effects (acute toxicity, irritation and corrosivity) No further information available.

Repeated dose toxicity No relevant information available.

CMR effects (cancerogenity, mutagenicity and toxicity for reproduction) No further information available.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

64-02-8 tetrasodium ethylenediaminetetraacetate

EC50 (48h)	> 100 mg/l (daphnia magna)
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EC50 (96h)	> 100 mg/l (algae)
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	> 100 mg/l ((Leponis macrochirus))
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12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Additional ecological information:

General notes: Not known to be hazardous to water.

12.5 Results of PBT and vPvB assessment

PBT: None of the ingredients meets the classification requirements.

vPvB: None of the ingredients meets the classification requirements.

12.6 Other adverse effects No further relevant information available.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation



Must be specially treated under adherence to official regulations.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number

ADR, ADN, IMDG, IATA Void

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA Void

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA
Class Void

14.4 Packing group

ADR, IMDG, IATA Void

14.5 Environmental hazards:

Marine pollutant: No

14.6 Special precautions for user Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

UN "Model Regulation": -

SECTION 15: Regulatory information

Registration number REACH Not applicable.

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

No further relevant information available.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. In case of emergency, contact your local Poison Centre through WHO World Directory.

Department issuing data specification sheet: Product safety department.

Contact:

Product safety department
SIPCAM Stabilimento di Salerano sul Lambro (LO)
TEL.: +39 03715961 - FAX : +39 037171408

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H statements of components:

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

Abbreviations and acronyms:

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

*** Data compared to the previous version altered.**

04.05.1998

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