

Material Safety Data Sheet

"Regulation on Information Forms on Hazardous Substances and Mixtures
(Official Gazette on 13.12.2014 and Official Gazette on 29204) and (EU) 1272/2008

RIDOS K-30 LIQUID FERTILIZER

Version: 1.0

Print Date : 21.10.2022

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Trade Name

RIDOS K-30 LIQUID FERTILIZER

1.2 Relevant Identified Uses Of The Product And Uses Advised Against

Relevant Identified Uses

It Can Be Used For Covered Crops (Tomato, Pepper, Zucchini, Cucumber), Open Field Vegetables (Melon, Watermelon, Plantain, Banana, Pepper, Tomato, Eggplant, Cucumber), Grain, Feed, Legumes And Industrial Plants (Wheat, Canola, Cotton, Bean, Corn, Maize, Millet Sunflower), Tuber Plants (Beet, Carrot, Potato, Radish), Citrus (Orange, Mandarin, Lemon), Drug (Peach, Apricot, Plum, Almond, Cherry, Walnut, Olive, Hazelnut), Hard Seed Fruits (Peach), Apricot, Plum, Almond, Cherry, Walnut, Olive, Hazelnut), Soft Seeded Fruits (Apple, Pear, Quince, Grape) And Green Plants (Lettuce, Parsley, Onion) When They Are Weak.

Uses Advised Against

Usage below 2 lt/da

1.3 Details Of The Supplier Of The Safety Data Sheet

Supplier (Manufacturer)

RIDOS TARIM HAYVANCILIK VE ENERJİ LTD.ŞTİ.

Address

Bayralar mah. Bayralar Küme Evler Mevkii 5/1
Elmalı/ANTALYA

E-mail

info@ridos.com.tr

1.4 Details Of The Manufacturer Of The Safety Data Sheet

Supplier (Manufacturer)

RIDOS TARIM HAYVANCILIK VE ENERJİ LTD.ŞTİ.

Address

Bayralar mah. Bayralar Küme Evler Mevkii 5/1
Elmalı/ANTALYA

E-mail

info@ridos.com.tr

1.6 Emergency Telephone Number

+90 312 236 65 61

2. HAZARDS IDENTIFICATION

2.1. Classification According to Regulation

Water-react. 1 H260

Skin Corr. 1B H314

2.2. Label Elements

2.2.1. Labeling According to Regulation

Product Identifier

H260 In contact with water releases flammable gases which may ignite spontaneously

H314 Causes severe skin burns and eye damage

Hazard Pictograms



Signal Word

Attention

Hazard Statement(s)

The legislation in force does not define it as a hazardous chemical for health or the environment

General

P101 If medical advice is needed, keep the packaging or label.
P103 Read the label before use
P201 Read special instructions before use.

Supplemental Hazard Information (EU) Statements

No information

2.3. Additional Information

No information

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Description Of The Substance

The compound product

3.2 Hazardous ingredients

Chemical Name	EINECS ² NO-	CONTENT %	CLASSIFICATION
	CAS ³ NO.		CLP
Organic matter	-	20	not classified as harmful under current legislation
Nitrogen	231-783-9 7727-37-9	2	not classified as harmful under current legislation
Potassium	231-119-8 7440-09-7	25	Water-react. 1 H260 Skin Corr. 1B H314
Humic Acid	638-738-6 1415-93-6	10	Flam. Sol. 1 H228 Aquatic Chronic 3 H412
Fulvic Acid	954-817-0 -	10	Acute Tox. H302, H312, H332
Iron	640-395-2 7439-89-6	1,7	not classified as harmful under current legislation
Zinc	231-175-3 7440-66-6	2	Pyr. Sol. 1 H250 Water-react. 1 H260 Aquatic Acute 1 H400 Aquatic Chronic 1 H410
The Others	-	29,3	not classified as harmful under current legislation

3.2.1 Additional information

M-Factor: Not Specified

Specific Concentration Limits: Not Specified

3.2.2 Additional warnings:

All the explanations for damage related to the subject are given in Chapter 16.

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

General information: Remove contaminated/saturated clothing. In case of accident or illness seek medical advice immediately.

Inhalation: Remove the affected person to fresh air, keep warm and rest. If recovery is not rapid, seek medical advice.

Skin Contact: Wash the affected parts of the body with soap and water. No emergency measures are necessary but if adverse skin effects follow, seek medical advice.

Eye Contact: In case of contact with eyes, rinse immediately with plenty of water. Seek medical attention immediately.

Ingestion: Do not induce vomiting. No emergency measures are necessary but if adverse health effects follow or large amounts are swallowed, seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: No specific symptoms known

Skin Contact: May cause skin irritation or dermatitis in sensitive individuals

Eye Contact: May cause eye irritation

Ingestion: There are no known specific symptoms. May cause discomfort if swallowed.

4.3 Indication of any immediate medical attention and special treatment needed *Treat according to symptoms.*

5. FIRE FIGHTING MEASURES

5.1 Fire extinguishers:

Suitable Extinguishing: *The product is not flammable. Extinguish with foam, carbon dioxide, dry powder or water fog. Use an appropriate extinguishing material to surround the fire.*

Incompatible: *Water jet*

Other Explanations: *No information*

5.2 Special Losses Resulting from Article or Mixture:

Losses Related to following Combustion materials: *No information*

Losses Related to Type Explosion: *No fire or explosion hazard.*

Losses related to reactivity: *No information*

Other Explanations: *No information*

5.3 Recommendations for Fire Fighting Squads:

Fire Fighting Instructions *No information*

Protective Equipment for Personnel involved in the fight against fire: *Self-contained breathing equipment and suitable protective clothing should be used when extinguishing the fire.*

Other Explanations: *No information*

5.4 Other informations

No information

6. ACCIDENTAL AGRICULTURAL PREVENTION

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Exposure controls and personal protective measures as described in section 8.

Protective Equipment

Wear appropriate protective equipment,

Procedures

Use breathing equipment with a dust filter.

Good general ventilation is sufficient for all that is foreseen.

Other Explanations

No information

6.1.2 For Persons Interfering in an Emergency

Protective Equipment

Wear appropriate personal protective equipment.

Emergency

No information

Procedures

Other Explanation

No information

6.1.1 For Non Emergency Personnel

No data

6.2 Environmental Precautions:

Prevent spilled material from entering sewers, storm drains, other unauthorized treatment drainage systems, and natural waterways.

6.3 Methods and Materials for Conservation and Cleaning:

Comply with local regulations.

Place the contaminated material in a suitable container and dispose of according to item 13.

Cleanup under expert supervision is advised. Minimize dust generation. Sweep up and package appropriately for disposal

6.4 Other Information:

Comply with local regulations.

6.5 References to Other Departments:

Information on safe handling is obtained from Chapter 7.

Information on personal protective equipment is given in section 8.

Information on liquidation is obtained from Chapter 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

No special precautions required

7.1.1 General Handling Recommendations:

7.1.1.1 Warnings for Safe Handling

No special precautions required

7.1.1.2 Warnings Regarding Disputes of Substance or Mixtures

No information

7.1.1.3 Environment Related Alerts

No information

7.1.1.4 Additional Notices

No information

7.1.2 Recommendations for General Occupational Hygiene:

Eating, drinking and smoking should be prohibited during fertilization. Users should wash their hands before eating, drinking or smoking.

7.2 Conditions for Safe Storage Including Conflicts:

Technical Measures *Do not expose to direct sunlight*

Storage Conditions *Store under normal conditions (in cool and dry places) in its original packaging. Storage temperature should be between +5 and +40 C degrees. Under normal conditions, for at least 3 years physical and chemical retains its properties*

Common Storage Terms *No information*

Incompatible Materials *Avoid contact with strong oxidizing agents.*

7.2.1 Advice on general occupational hygiene

No information

7.3 Specific End uses:

No information

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

No data available

8.2 Exposure Controls

General Protection and Hygiene Measures:

Keep away from foodstuffs, drinks and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work.

Avoid contact with skin.

Avoid contact with eyes and skin.

Eye protection: Wear appropriate eye protection with side shields (EN166).

Skin protection: Use impervious gloves

Respiratory protection: Inhalation of the vapour, fumes or mists should be avoided by safe working practices and good ventilation.

Thermal Hazards: Thermal hazards only applicable when material is heated.

Use appropriate heat resistant gloves.

Environmental Exposure Controls: See sections 6, 7, 12 and 13.

Skin: *Not normally required for solid material. The use of thermally-resistant gloves is recommended when there is potential for exposure to molten wax.*

Eye/Face: *Approved eye protection to safeguard against potential eye contact, irritation, or injury is recommended.*

Other Protective Equipment: *A source of clean water should be available in the work area for flushing eyes and skin. Impervious clothing should be worn as needed.*

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Important health, safety and environmental information

9.2 Appearance

Form/Physical state	Liquid
Color	Specific
Odor	Specific

9.3 Safety relevant basic data

Suitable room temperature (°C)	+5 to +40
Solid Content % (by volume)	No data available
VOC%	No data available
pH (20°C)	5-7
Water holding capacity (%)	No data available
Boiling point/range (°C) 101,3 kPa	No data available
Freezing point (°C)	-15
Flash Point (°C) closed cup	Unavailable
Lower Explosion Limit (as volume and in air)	No data available
Upper Explosion Limit (as volume and in air)	No data available
Density (g/ml)	1,23
Ignition temperature (°C)	Unavailable
Vapour pressure (mbar) @ 20°C	Unavailable
Solubility	Soluble
Viscosity @ 20°C (mPas)	Fluid
Decomposition Temperature (°C)	No data available
Spesifik Gravite (g/ml)	1,23

Note : The above properties are determined according to the methods prescribed in Annex-I Part A of the Annex-I Regulation on Test Methods to be Applied in Determination of the Physico-Chemical, Toxicological and Ecotoxicological Properties of the Materials and Mixtures, or other comparable method.

10. STABILITY AND REACTIVITY

10.1 Reactivity

Stable under normal conditions of storage and handling

10.2 Chemical stability

Avoid all possible sources of ignition (see Sections 5 and 7)

10.3 Hazardous Decomposition

None

10.4 Conditions to Avoid: (The temperature at which hazardous reactions may occur is under the conditions to avoid such as pressure, light, shock, etc.):

No data available

10.5 Substances to be avoided: (Conditions relevant to water, air, acids, bases, oxidizing agents or any other special substances which may cause a hazardous reaction):

No data available

10.6 Hazardous decomposition products

Hazardous Decomposition Materials:

It does not decompose when used and stored in accordance with the recommended conditions. Thermal decomposition or combustion products may contain the following substances: Harmful gases or vapours.

11. TOXICOLOGICAL INFORMATION

Toxic effects Not listed as a health hazard in current regulations.

Acute toxicity No data available

Skin corrosion/irritation

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data, the classification criteria are not met.

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

Skin sensitization Based on available data the classification criteria are not met.

Germ cell mutagenicity

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

carcinogenicity

Carcinogenicity No definitive information available on carcinogenicity.

IARC carcinogenicity None of the ingredients are listed or exempted.

Reproductive toxicity

Reproductive toxicity fertility Based on available data the classification criteria are not met.

Reproductive toxicity developmental Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT-single exposure Not classified as specific target organ toxicant after single exposure.

Target organs No definitive information available on target organs.

Specific target organ toxicity - repeated exposure

STOT- repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration damage

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

General information No specific health hazards known. The severity of the symptoms described may vary depending on the concentration and duration of exposure.

Inhalation No specific symptoms known.

Ingestion Swallowing can cause gastrointestinal disturbance

Skin contact Causes skin irritation

Eye contact Causes eye irritation.

Routes of contact No specific symptoms known.

Target organs No specific target organs are known.

12. ECOLOGICAL INFORMATION

This material, if discarded as produced, is not a RCRA "listed" or "characteristic" hazardous waste. Use which results in chemical or physical change or contamination may subject it to hazardous waste regulations. Along with properly characterizing all waste materials, consult state and local regulations regarding the proper disposal of this material

12.1 Toxicity Not classified as hazardous to the aquatic environment according to 1272/2008/EC

12.2 Persistence and degradability Insoluble in water – can be separated from water in suitable effluent treatment plants.

12.3 Bioaccumulation potential No data available

12.4 Mobility in soil Non-volatile and absorption into soil solid phase not expected.

12.5 Results of PBT & vPvB assessment Not identified as a PBT/ vPvB Substance according to REACH Annex XIII. **12.6 Other adverse effects** No data available

13. DISPOSAL CONSIDERATIONS

13.1 Product / Packaging disposal

Waste and used packaging must be disposed of in accordance with official regulations.
Prevent ground and underground waters, drinking water sources

13.2 Contaminated packaging

The generation of waste should be avoided or minimized as much as possible.
must be downloaded. Disposal of the product, melts and anything, with environmental protection regulations and waste disposal laws and should always comply with the instructions of the local authority of any region.
Do not use used empty packages for other purposes. Destroy packaging after use.

13.3 Recommended Cleansing Material:

This material and its container must be disposed of in a safe manner. Personnel should use protective clothing

13.4 Additional Information:

The generation of waste should be avoided or minimized as much as possible. Incineration or burial should only be considered where recycling is not feasible.
There is no dangerous transport phrase.

14. TRANSPORT INFORMATION

	ADR ⁷ /RID ⁸	ADNR ⁹	IMDG ¹⁰	ICAO ¹¹ /IATA ¹²
TRANSPORTATION				
14.1. UN/ID No.				Not classified
14.2. PROPER SHIPPING NAME				
SYMBOL	-	-	-	-
14.3. CLASS				Not classified
14.4 PACKAGING GROUP				Not classified
LABELLING NO	-	-	-	-
CLASSIFICATION CODE	-	-		
HAZARD NO (HIN NO)				No special environmental precautions required
PASSENGER & CARGO AIRCRAFT MAXIMUM NET QUANTITY				
14.5 EmS				
14.6 MARINE Pollutant			-	

Road Transport Notes:

The product does not have international regulations on the transport of dangerous goods (IMDG, IATA, ADR / RID). A warning sign for transport is also not required.

15. REGULATORY INFORMATION

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

Product; Classified and labeled according to the procedures and principles stipulated in the "Regulation on the Classification, Labeling and Packaging of the Products and Mixtures" and "in the EU legislation"

Examine the following regulations for other national measures that may be relevant to legislation or interest for the implementation of the provisions of this safety data sheet.

Regulation on Safety Data Sheets for Hazardous Substances and Mixtures

Regulation on the Classification, Labeling and Packaging of Matter and Mixtures

Regulation on the Restriction and Prohibition of Hazardous Substances and Mixtures

Law on Occupational Health and Safety

Regulation on Health and Safety Precautions in Carcinogenic and Mutagenic Activities

Regulation on Health and Safety Precautions in Working with Chemical Substances

Regulation on the Use of Personal Protective Equipment in

Workplaces Hand Carrying Works Regulation

Waste Management Regulation

16. OTHER INFORMATION

16.1 Other information

This document has been prepared and documented in accordance with the provisions of Regulation (EC) No 1907/2006 (REACH) and ISO 11014-1, "Regulation on Safety Data Sheets for Hazardous Substances and Mixtures" dated December 13, 2014 and approved. Expert Accreditation No: Chemical Engineer Fulya KEÇELİOĞLU TÜV/ 11.09.01

16.2 Reason of re-issue First issue

16.3 Classification For Mixtures And Used Evaluation Method According To ;

December 13, 2014 and 29204 were regulated according to the regulation.

16.4 Explanations on the Methods of Classification of Hazardous Dissatisfaction (Which of the methods of assessing the information set out in Article 11 of the Regulation on Classification, Labeling and Packaging of Materials and Mixtures are used for classification purposes)

16.5 Other Topics:

- *Contact our sales department for suggestions on safe use of the product.*
 - *Contact our sales department for recommended limitations on the use of the product and for non-legal recommendations.*
 - *It is advisable to obtain appropriate training for workers to read and use safety data sheets and labeling information in a clear way, in order to protect the human health and environment against product exposure and general safety culture.*
 - *Key information sources used in the arrangement of this safety data sheet;*
 - *Safety Information Form / Forms prepared by the manufacturer for the product*
 - *"Regulation on Safety Data Sheets for Hazardous Substances and Mixtures" and annexes,*
 - *"Regulation on the Classification, Labeling and Packing of Materials and Mixtures" and its annexes*
 - *"Regulation on Health and Safety Precautions for Carcinogenic and Mutagenic Activities" and its annexes,*
 - *Other relevant local regulations*
 - *UN ADR, IMDG, IATA lists, ECHA and related EU directives,*
- Other helpful resources.*

16.6 Additional Information:

- *The information provided in this Safety Data Sheet was prepared based on our best available experience, knowledge and belief on the date of its preparation.*
- *The information provided is designed as a guide for safe handling, handling, handling, storage, disposal and disposal.*
- *This information applies only to the specified substance / mixture, unless otherwise specified in the documentation, and may not apply if this substance is used in combination with other substances or if any other procedure is used.*
- *Please observe the information on the Safety Data Sheet for use.*

This information is based on our current knowledge.

This Safety Data Sheet defines the product according to the recognized safety regulations, but does not guarantee the safety of the product.

It does not constitute a guarantee and the product specifications do not establish a legally valid contractual relationship.

¹ RG: Official newspaper

² EINECS: Kimyasal maddelerin Avrupa Envanteri

³ CAS: Kimyasal maddelerin servis kayıt numarası

⁴ PBT: Persistent Bioaccumulative Toxic

⁵ VPVB: Very Persistent, Very Bioaccumulative

⁶BCF: Bioconcentration Factor

⁷ADR: Accord Dangereux Routier (European regulations concerning the international transport of dangerous goods by road)

⁸RID: Regulations Concerning the International Transport of Dangerous Goods by Rail (European law)

⁹ADNR: Regulation for the Carriage of Dangerous Substances on the Rhine (EU)

¹⁰IMDG: International Maritime Dangerous Goods (United Nations)

¹¹ICAO: International Civil Aviation Organization