



**TOROS TARIM**  
**SAFETY DATA SHEET**

**Ultra Nitrogen (%33 N)**

According to Regulation (EU) No 2015/830

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

**Product name** Ultra Nitrogen (%33 N)

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

**Identified uses** It is used in agricultural, industrial and consumer products.

**1.3. Details of the supplier of the safety data sheet**

**Manufacturer** **Center: Toros Tarım Sanayi ve Ticaret A.Ş.**  
Tekfen Tower Büyükdere Cad. No:209  
34394 4. Levent Şişli / İstanbul  
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www.toros.com.tr

**1.4. Emergency telephone number**

Samsun Production Facilities: +90 362 256 09 80

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

**Classification (EC 1272/2008)**

Physical and Chemical Hazards Not classified.  
Human health Skin Irrit. 2; H315; Eye Irrit. 2; H319  
Environment Not classified.

The Full Text for all Hazard Statements are Displayed in Section 16.

**2.2. Label elements**

**Label In Accordance With (EC) No. 1272/2008**



**Signal Word** Warning

**Hazard Statements**

H315 Causes skin irritation.  
H319 Causes serious eye irritation.

**Precautionary Statements**

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501 Dispose of contents/container in accordance with local regulations.



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**2.3. Other hazards**

- Inhalation** Acid vapours may cause irritation in throat and lungs  
**Skin contact** Contact with skin cause skin irritation and redness.  
**Eye contact** Causes irritation, redness to the eyes.  
**Ingestion** When ingested, causes irritation to the digestive tract.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2. Mixtures**

Name	EC No.	CAS No.	Content %	Classification (EC 1272/2008)
Urea	200-315-5	57-13-6	50	---
Ammonium sulphate	231-984-1	7783-20-2	35,6	---
Sulphuric acid	231-639-5	7664-93-9	6,75	Skin Corr. 1A; H314
Ammonia	215-647-6	1336-21-6	2,65	Skin Corr. 1B - H314 STOT SE 3 - H335 Aquatic Acute 1 - H400

Name	Specific Concentration Limits
Sulphuric acid	Eye Irrit. 2; H319: 5 % ≤ C < 15 % Skin Corr. 1A; H314: C ≥ 15 % Skin Irrit. 2; H315: 5 % ≤ C < 15 %

The Full Text for all Hazard Statements are Displayed in Section 16.

**Composition Comments**

- The data shown are in accordance with the latest EC Directives.
- Exposure limits are displayed in section 8.

**SECTION 4: FIRST AID MEASURES**

**4.1. Description of first aid measures**

**General information**

Remove affected person from source of contamination. Chemical burns should be treated by a doctor. Show this safety data sheet.

**Inhalation**

Remove affected person from source of contamination. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Call doctor immediately.

**Ingestion**

DO NOT INDUCE VOMITING AND DO NOT GIVE ANYTHING TO DRINK TO AN UNCONCIOUS PERSON. Rinse mouth thoroughly with water. Get medical attention if symptoms occur.

**Skin contact**

Remove affected person from source of contamination. Take off immediately all contaminated clothing. Rinse immediately with plenty of water. Get medical attention if symptoms occur.

**Eye contact**

Remove affected person from source of contamination. Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse get medical attention.



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**4.2. Most important symptoms and effects, both acute and delayed**

<b>Inhalation</b>	Upper respiratory tract irritation.
<b>Ingestion</b>	Nausea, vomiting.
<b>Skin contact</b>	Serious irritation. May cause skin burns.
<b>Eye contact</b>	Blurred vision. Irritation, redness.

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat Symptomatically.

**SECTION 5: FIREFIGHTING MEASURES**

**5.1. Extinguishing media**

**Extinguishing media**

Use fire- extinguishing media suitable for the surrounding fire.

**5.2. Special hazards arising from the substance or mixture**

**Specific hazards**

In case of fire, toxic gases may be formed. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

**5.3. Advice for firefighters**

**Special Fire Fighting Procedures**

Avoid breathing fire vapours. Clear fire area of all non-emergency personnel. Move container from fire area if it can be done without risk. Dike and collect extinguishing water. Dispose residues of extinguishing water in accordance with local regulations.

**Protective equipment for fire-fighters**

In case of fire, wear self-contained breathing apparatus and full protective clothing.  
Face mask, protective gloves and safety helmet.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours. Avoid contact with eyes. Provide adequate ventilation. Pay attention to slippery bases and surfaces in case of spillage.

**6.2. Environmental precautions**

Avoid discharge into water courses or onto the ground. In case of spills or discharges to the water source, it is necessary to apply to the relevant environmental agency or other appropriate inspection centers immediately.

**6.3. Methods and material for containment and cleaning up**

DO NOT TOUCH THE SPILLAGES.

**Large Spillages:** Remove spills with a vacuum cleaner. If not possible, collect with a shovel, broom or similar tool.

**Small Spillages:** Remove small spills with a vacuum cleaner.

**6.4. Reference to other sections**

For personal protection, see section 8.

See section 11 for additional information on health hazards.

For waste disposal, see section 13.

**SECTION 7: HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

Avoid inhalation of vapours. Avoid contact with eyes. Wash hands and contaminated areas before leaving the workplace. Good personal hygiene is necessary. Do not eat, drink or smoke when using the product. Observe good chemical hygiene practices. Containers should be stored tightly closed. Avoid direct sunlight. Avoid contact with bases.



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**7.2. Conditions for safe storage, including any incompatibilities**

Store in a dry, cool place in tightly closed original packaging. It should be stored away from combustible materials, alkalis, metals and strong bases. Storage must be grounded. Keep away from food, drink and animal feeding. Protect from direct sunlight.

**Store away from:** Strong alkalis.

**Unsuitable containers:** Metals.

**7.3. Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

Occupational exposure limits

Name	STD	TWA - 8 Hrs	STEL - 15 Min	Notes
Sulphuric acid	WEL	0.2 mg/m <sup>3</sup>	---	ACGIH
Sulphuric acid	PEL	1 mg/m <sup>3</sup>	---	OSHA - ABD
Ammonia	WEL	25 ppm	---	ACGIH
Ammonia	PEL	50 ppm	35 ppm	OSHA - ABD

**8.2. Exposure controls**

**Protective equipment**



**Process conditions**

Provide eyewash, quick drench.

**Engineering measures**

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

**Respiratory equipment**

No special equipment required under normal conditions. If vapour concentration is higher than the exposure limit, proper respiratory protective equipment should be used.

**Hand protection**

Wear suitable protective gloves when there is a risk of skin contact. Neoprin, nitrile, polyethylene or PVC.

The most appropriate glove should be selected in consultation with the glove supplier. The glove supplier will be able to provide information about the permeability / deterioration time of the glove material.

**Eye protection**

Appropriate safety goggles should be used if there is a risk of contact with eyes.

**Hygiene measures**

Wash hands after contact. Change work clothing daily before leaving workplace.

Wash contaminated clothing before reuse. When using do not eat, drink or smoke.

**Skin protection**

Use proper protective gloves when there is risk of skin contact (PVC).

**Environmental Exposure Controls**

Please act in accordance with local and national laws.



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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

Appearance	Solid/ granule
Colour	White, brown
Odour	Odourless
Solubility	No data available
Melting Point	No data available
Initial boiling point	No data available
Flash point	No data available
Density	No data available
pH-Value	No data available
Flammability	No data available
Vapor pressure @ 20 ° C	No data available
Decomposition temperature	No data available
Partition Coefficient (n-octanol/water)	No data available.
Oxidative properties	Not oxidative.
Explosive properties	Not explosive.

**9.2. Other information**

No information available.

**SECTION 10: STABILITY AND REACTIVITY**

**10.1. Reactivity**

Stable under normal temperature conditions and recommended use.

**10.2. Chemical stability**

Stable under normal temperature conditions and recommended use. Stable under the prescribed storage conditions.

**10.3. Possibility of hazardous reactions**

No data available.

**10.4. Conditions to avoid**

Avoid exposure to high temperatures or direct sunlight.

**10.5. Incompatible materials**

No data available.

**10.6. Hazardous decomposition products**

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>)

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

**Acute toxicity- Product**

Inhalation ATE: 5,0 mg/m<sup>3</sup>



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**Acute toxicity- Ammonia**

Inhalation (rat) : LC 50 19.960 mg/ m<sup>3</sup>

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/irritation**

Causes serious eye irritation

**Respiratory or skin sensitisation:**

Based on available data the classification criteria are not met.

**Carcinogenicity**

Based on available data the classification criteria are not met.

**STOT-single exposure**

Based on available data the classification criteria are not met.

**STOT-repeated exposure**

Based on available data the classification criteria are not met.

**Germ cell mutagenicity**

Based on available data the classification criteria are not met.

**Reproductive Toxicity**

Based on available data the classification criteria are not met.

**Aspiration Toxicity**

Based on available data the classification criteria are not met.

**Inhalation**

May be harmful by inhalation. It may damage the nose, throat, lungs and bronchi system.

**Ingestion**

Harmful if swallowed. May cause chemical burns in mouth, esophagus and stomach.

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1. Toxicity**

Based on available data the classification criteria are not met. The product is not considered as harmful to the environment.

**12.2. Persistence and degradability**

No data available.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

This product does not contain any PBT or vPvB substances.

**12.6. Other adverse effects**

It should not be released to the environment.



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**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

Avoid access to water sources and channels. The product packaging must be completely emptied and must be disposed of within the framework of legislation.

**SECTION 14: TRANSPORT INFORMATION**

**General** The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**14.1. UN number**

Not available.

**14.2. UN proper shipping name**

Not available.

**14.3. Transport hazard class(es)**

Not available.

**14.4. Packing group**

Not available.

**14.5. Environmental hazards**

**Environmentally Hazardous Substance/Marine Pollutant**  
No.

**14.6. Special precautions for user**

Not available.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not available.

**SECTION 15: REGULATORY INFORMATION**

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

**Statutory Instruments**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

**Approved Code Of Practice**

Classification and Labelling of Substances and Preparations Dangerous for Supply.  
Safety Data Sheets for Substances and Preparations.

**Guidance Notes**

Workplace Exposure Limits EH40.  
CHIP for everyone HSG(108).

**EU Legislation**

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

**SECTION 16: OTHER INFORMATION**

**Abbreviations and acronyms used in the safety data sheet**

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



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ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.

IATA: International Air Transport Association.

ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.

IMDG: International Maritime Dangerous Goods.

EC No: European Community number

CAS: Chemical Abstracts Service.

LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.

LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).

PBT: Persistent, Bioaccumulative and Toxic substance.

vPvB: Very Persistent and Very Bioaccumulative.

SEA: Classification, labeling, packaging regulation

BHOT: Specific Target Organ Toxicity

**Classification justification**

Skin Irrit. 2 - H315 : calculation method

Eye Irrit. 2; H319 : calculation method

**Hazard statements in full**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

**Information Sources**

This SDS is prepared based on the information received from the product owner.

ECHA – [www.echa.europa.eu](http://www.echa.europa.eu)

**Revision Comments**

Revised according to current legislation (CLP).

**Issued By**

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**Issued Note**

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