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Creation Date: 10-03-2025

Revision Date: 29-07-2030

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1. Product identifiers Product name : Urea 99%

Product name : Urea, 999 Product Code: U 1305 CAS No : 57-13-6

1.2. Relevant identified uses of the substance or mixture and uses advised against Use : Industrial. For professional use only.

1.3. Details of the supplier of the safety data sheet
Company identification
OTTO CHEMIE PVT LTD
101, Aarkay Ruby Industrial Estate(1B), Opp Shree Narayan Industrial Estate,
Chinchpada, Vasai East, Waliv, Maharashtra 401208.
Email <u>info@ottokemi.com</u>

1.4. Emergency telephone number Phone no. : + 91 22 2207 0099 (9:00am - 6:00 pm).

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.
2.2 Label elements
Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.
2.3 Other hazards
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Ecological information:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. Toxicological information: The substance/mixture does not contain components considered to have endocrine

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

 3.1 Substances

 Formula
 : CH4N2O

 Molecular weight
 : 60,05 g/mol

 CAS-No.
 : 57-13-6

 EC-No.
 : 200-315-5

 No components need to be disclosed according to the applicable regulations.

SECTION 4: First aid measures

4.1 Description of first-aid measures
If inhaled
After inhalation: fresh air.
In case of skin contact
In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.
In case of eye contact
After eye contact: rinse out with plenty of water. Remove contact lenses.
If swallowed
After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling

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unwell.

4.2 Most important symptoms and effects, both acute and delayed The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11 4.3 Indication of any immediate medical attention and special treatment needed No data available **SECTION 5: Firefighting measures** 5.1 Extinguishing media Suitable extinguishing media Water Foam Carbon dioxide (CO2) Dry powder Unsuitable extinguishing media For this substance/mixture no limitations of extinguishing agents are given. 5.2 Special hazards arising from the substance or mixture Carbon oxides Nitrogen oxides (NOx) Combustible. Fire may cause evolution of:

Ammonia, nitrous gases Development of hazardous combustion gases or vapours possible in the event of fire.

5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

5.4 Further information

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

6.2 Environmental precautions Do not let product enter drains.

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid

generation of dusts.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
For precautions see section 2.2.
7.2 Conditions for safe storage, including any incompatibilities
Storage conditions
Tightly closed. Dry.
Recommended storage temperature see product label.
Storage class
Storage class
Storage class (TRGS 510): 11: Combustible Solids
7.3 Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

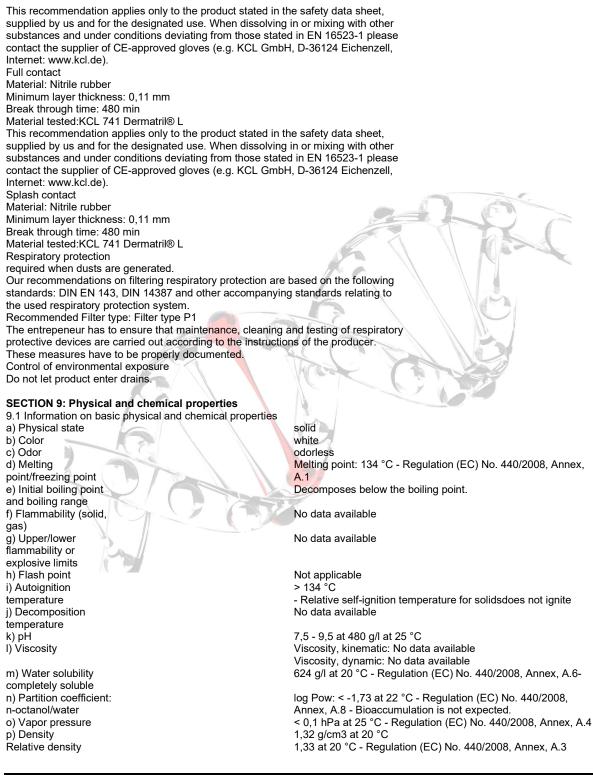
8.1 Control parameters
Ingredients with workplace control parameters
8.2 Exposure controls
Personal protective equipment
Eye/face protection
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses
Skin protection

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q) Relative vapor	
density r) Particle	No data available
characteristics s) Explosive properties t) Oxidizing properties	No data available none
9.2 Other safety information Bulk density Dissociation constant	720 - 760 kg/m3 < 0,6 - OECD Test Guideline 112
SECTION 10: Stability and reactivity 10.1 Reactivity The following applies in general to flammable organic subst correspondingly fine distribution, when whirled up a dust ex- be assumed. 10.2 Chemical stability The product is chemically stable under standard ambient co 10.3 Possibility of hazardous reactions Exothermic reaction with: metallic chlorides Chlorites chromates/perchromates Fluorine nitrates strong oxidising agents hydrogen peroxide Generates dangerous gases or fumes in contact with: bases chlorinated solvents Risk of explosion/exothermic reaction with: ammonium nitrate calcium hypochlorite Chlorine chromyl chloride Nitroso compounds phosphorus pentachloride perchlorates nitrites Nitro compounds 10.4 Conditions to avoid no information available	plosion potential may generally
10.5 Incompatible materials various plastics 10.6 Hazardous decomposition products In the event of fire: see section 5	
SECTION 11: Toxicological information 11.1 Information on toxicological effects Routes of Entry: Absorbed through skin. Dermal contact. Ey Oral LD50 Rat: 1500 mg/kg; Dermal LD50 Rabbit: 2000mg/ Inhalation LC50 Rat: > 50mg/L. Chronic Effects on Humans: CARCINOGENIC EFFECTS: C Other Toxic Effects on Humans: Hazardous in case of skin Special Remarks on Toxicity	/kg Classified None. by NTP, None. by OSHA, None. by NIOSH.

Special Remarks on Toxicity

to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

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Otto Chemie Pvt Ltd - provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product

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SECTION 12: Ecological information

SECTION 12: Eco	logical information		
12.1 Toxicity			
Toxicity to algae static test ErC50 - Pseudokirchneriella subcapitata - 24.541,9 mg/l -			
72 h			
(OECD Test Guide	eline 201)		
12.2 Persistence a	nd degradability		
No data available			
12.3 Bioaccumula	ive potential		
No data available			
12.4 Mobility in so	1		
No data available			
12.5 Results of PE	T and vPvB assessment		
This substance/mi	xture contains no components considered to be eith	ner persistent,	
bioaccumulative a	nd toxic (PBT), or very persistent and very bioaccur	nulative (vPvB) at	
levels of 0.1% or h			
12.6 Endocrine dis			
Product:	· · · · · · · · · · · · · · · · · · ·		
Assessment	: The substance/mixture does not contain compor	nents	
	considered to have endocrine disrupting propertie		
	according to REACH Article 57(f) or Commission		
	Delegated regulation (EU) 2017/2100 or Commis	sion	
	Regulation (EU) 2018/605 at levels of 0.1% or high		
12.7 Other advers			
	environment must be avoided.		
	12		
SECTION 13: Dis	posal considerations		
13.1 Waste treatm			
No data available			
SECTION 14: Tra	nsport information		
14.1 UN number			
ADR/RID: -		IMDG: -	IATA: -
14.2 UN proper sh	ipping name		<i>D</i> (17).
ADR/RID	: Not dangerous goods		
IMDG	: Not dangerous goods		
IATA	: Not dangerous goods		
14.3 Transport ha			
ADR/RID: -	alu class(es)	IMDG: -	IATA: -
14.4 Packaging gr		IMDG	IATA
	oup		14 7 4 .
ADR/RID: -		IMDG: -	IATA: -
ADR/RID: - 14.5 Environmenta			
ADR/RID: - 14.5 Environmenta ADR/RID: no	al hazards	IMDG: - IMDG Marine pollutant: no	IATA: - IATA: no
ADR/RID: - 14.5 Environmenta ADR/RID: no 14.6 Special preca	al hazards		
ADR/RID: - 14.5 Environmenta ADR/RID: no 14.6 Special preca No data available	al hazards utions for user		
ADR/RID: - 14.5 Environmenta ADR/RID: no 14.6 Special preca No data available Further information	al hazards nutions for user		
ADR/RID: - 14.5 Environmenta ADR/RID: no 14.6 Special preca No data available Further information	al hazards utions for user		

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.
15.2 Chemical Safety Assessment
For this product a chemical safety assessment was not carried out

SECTION 16: Other Information

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all

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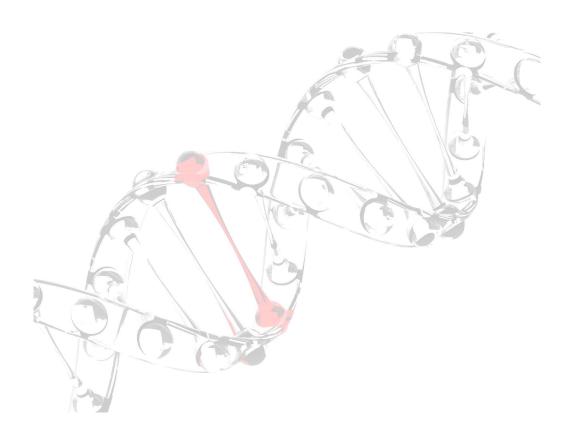


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precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.

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