### otto chemie pvt ltd

An ISO 9001 : 2015 & GMP Certified Company 101, Aarkay Ruby Industrial Estate (1B), Opp Shree Narayan Industrial Estate, Chinchpada, Vasai East, Waliv, Maharashtra 401208. Tel : + 91 98200 41841 Email : info@ottokemi.com Web : www.ottokemi.com

#### MATERIAL SAFETY DATA SHEET (MSDS)

#### **SECTION 1. Product identifiers**

Product name: Ethylenediaminetetraacetic acid, 99% Product Code: E 1485 CAS No: 60-00-4

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 info@ottokemi.com

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 Acute toxicity, (Category 4) Specific target organ toxicity repeated exposure, (Category 2), Respiratory Tract 2.2 Label elements Labelling according Regulation (EC) No 1272/2008 Pictogram Signal Word Hazard Statements H332 H373

Precautionary Statements P260 P271 P304 + P340 + P312

P314 P501

Supplemental Hazard Statements Reduced Labeling (<= 125 ml) Pictogram Signal Word Hazard Statements **Precautionary Statements** Supplemental Hazard Statements 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:

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H332: Harmful if inhaled. H373: May cause damage to organs through prolonged or repeated exposure if inhaled.

### Warning

Harmful if inhaled. May cause damage to organs (Respiratory Tract) through prolonged or repeated exposure if inhaled.

Do not breathe dust. Use only outdoors or in a well-ventilated area. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. Get medical advice/ attention if you feel unwell. Dispose of contents/ container to an approved waste disposal plant.

Warning none none none

none

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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**

: C10H14N2Na2O8 · 2H2O
: 372,24 g/mol
: 6381-92-6
: 205-358-3

Component	Classification	Concentration
Edetate disodium dihydrate		
CAS-No. 6381-92-6	Acute Tox. 4; STOT RE 2; H332, H373	<= 100 %
EC-No. 205-358-3		

For the full text of the H-Statements mentioned in this Section, see Section 16.

#### **SECTION 4: First aid measures**

4.1 Description of first-aid measures General advice Show this material safety data sheet to the doctor in attendance. If inhaled After inhalation: fresh air. Immediately call in physician. If breathing stops: immediately apply artificial respiration, if necessary also oxygen. 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: immediately make victim drink water (two glasses at most). Consult a physician. 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) Sodium oxides Combustible. Development of hazardous combustion gases or vapours possible in the event of fire. 5.3 Advice for firefighters Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing. 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.

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#### **SECTION 6: Accidental release measures**

6.1 Personal precautions, protective equipment and emergency procedures Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. 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. 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 Advice on safe handling Work under hood. Do not inhale substance/mixture. Hygiene measures Change contaminated clothing. Preventive skin protection recommended. Wash hands after working with substance. For precautions see section 2.2. 7.2 Conditions for safe storage, including any incompatibilities Storage conditions Tightly closed. Dry. 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 Derived No Effect Level (DNEL)

Application Area	Routes of exposure	Health effect	Value
Worker DNEL, acute	inhalation	Local effects	3 mg/m3
Worker DNEL, longterm	inhalation	Local effects	1,5 mg/m3
Consumer DNEL, acute	inhalation	Local effects	1,2 mg/m3
Consumer DNEL, longterm	inhalation	Local effects	0,6 mg/m3
Consumer DNEL, longterm	oral	Systemic effects	

#### Predicted No Effect Concentration (PNEC)

Compartment	Value
Fresh water	2,2 mg/l
Sea water	0,22 mg/l
Aquatic intermittent release	1,2 mg/l
Sewage treatment plant	43 mg/l
Soil	0,72 mg/kg

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
This recommendation applies only to the product stated in the safety data sheet,

supplied by us and for the designated use. When dissolving in or mixing with other

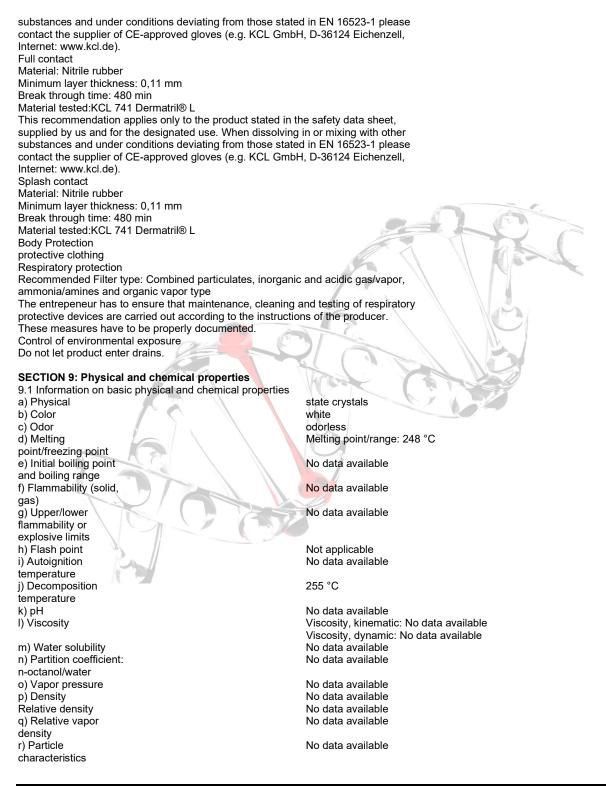
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s) Explosive properties	No data available
t) Oxidizing properties	none
9.2 Other safety information	
No data available	
SECTION 10: Stability and reactivity	
10.1 Reactivity	
The following applies in general to flammable organic substa	inces and mixtures: in
correspondingly fine distribution, when whirled up a dust exp	losion potential may generally
be assumed.	
10.2 Chemical stability	
The product is chemically stable under standard ambient cor	nditions (room temperature) .
10.3 Possibility of hazardous reactions	
Violent reactions possible with:	
Strong oxidizing agents	
10.4 Conditions to avoid	
no information available	
10.5 Incompatible materials	
Aluminum, Copper, Copper alloys, Nickel, Zinc	
10.6 Hazardous decomposition products	
In the event of fire: see section 5	
SECTION 11. Taxical arisal information	
SECTION 11: Toxicological information	
11.1 Information on toxicological effects Routes of Entry: Absorbed through skin. Dermal contact. Eye	a contact. Toxicity to Animals:
Oral LD50 Rat: 1500 mg/kg; Dermal LD50 Rabbit: 2000mg/k	
Inhalation LC50 Rat: > 50mg/L.	
Chronic Effects on Humans: CARCINOGENIC EFFECTS: C	lassified None, by NTP, None, by OSHA, None, by NIOSH
Other Toxic Effects on Humans: Hazardous in case of skin c	
Special Remarks on Toxicity	
to Animals: Not available.	Mine C is the sea
Special Remarks on Chronic Effects on Humans: Not availab	ble.
Special Remarks on other Toxic Effects on Humans: Not ava	ailable.
SECTION 12: Ecological information	
12.1 Toxicity	
Toxicity to fish semi-static test LC50 - Oncorhynchus mykiss	(rainbow trout) - > 100
mg/l - 96 h	
(OECD Test Guideline 203)	
Remarks: (ECHA) The value is given in analogy to the following substances: So	adium
feredetate	Juli
Toxicity to daphnia	
and other aquatic	
invertebrates	
static test EC50 - Daphnia magna (Water flea) - 140 mg/l - 4	8 h
(DIN 38412)	
Remarks: (ECHA)	
The value is given in analogy to the following substances:	
Ethylenedinitrilotetraacetic acid disodium salt	
NOEC - Daphnia magna (Water flea) - 25 mg/l - 21 d	
Remarks: (ECHA)	
The value is given in analogy to the following substances:	
Ethylenedinitrilotetraacetic acid disodium salt	$\langle arcon class \rangle > 60$
Toxicity to algae static test - Pseudokirchneriella subcapitata mg/l - 72 h	(yicen aiyae) - > 00
(OECD Test Guideline 201)	
Remarks: (ECHA)	
The value is given in analogy to the following substances: So	odium
feredetate	
Toxicity to bacteria NOEC - activated sludge - > 640 mg/l - 3	h

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(OECD Test Guid				
Remarks: (ECHA				
The value is give	n in analogy to the following substances: \$	Sodium		
feredetate				
	and degradability			
Biodegradability I	Result: 2 % - Not readily biodegradable.			
(OECD Test Guid				
Remarks: The va	lue is given in analogy to the following sul	ostances:		
	etraacetic acid disodium salt			
12.3 Bioaccumula	ative potential			
Bioaccumulation	Lepomis macrochirus (Bluegill sunfish) - 2	28 d		
at 21 °C - 0,08 m	g/I(Edetate disodium dihydrate)			
Bioconcentration	factor (BCF): 1,8			
(OECD Test Guid	leline 305)			
	lue is given in analogy to the following sul	ostances:		
Ethylenedinitrilote	etraacetic acid, Tetrasodiumsalt			
12.4 Mobility in s				
No data available				
12.5 Results of P	BT and vPvB assessment			
This substance/m	nixture contains no components considere	d to be either persistent,		
	and toxic (PBT), or very persistent and ve			
levels of 0.1% or				
	isrupting properties			
Product:				
Assessment	: The substance/mixture does not cont	ain components		
	considered to have endocrine disruptir			
	according to REACH Article 57(f) or Co	ommission		
	Delegated regulation (EU) 2017/2100			
	Regulation (EU) 2018/605 at levels of	0.1% or higher.		
12.7 Other adver				
No data available				
SECTION 13: Dis	sposal considerations			
13.1 Waste treatr	ment methods			
No data available				
SECTION 14: Tr	ansport information			
14.1 UN number				
ADR/RID: - 🌅		IMDG: -	IATA: -	
14.2 UN proper s	hipping name	-22/		
ADR/RID	: Not dangerous goods			
IMDG	: Not dangerous goods			
IATA	: Not dangerous goods			
14.3 Transport ha	azard class(es)			
ADR/RID: -	Kall	IMDG: -	IATA: -	
14.4 Packaging g	Iroup			
ADR/RID: -		IMDG: -	IATA: -	
14.5 Environmen	tal hazards			
ADR/RID: no		IMDG Marine pollutant: no	IATA: no	
14.6 Special prec	autions for user	·		
No data available				
Further information				
Not classified as dangerous in the meaning of transport regulations.				
		-		
SECTION 15: Re	gulatory information			
	th and environmental regulations/legislation	on specific for the		
	turo	-		

substance or mixture This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006. Other regulations Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or

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stricter national regulations where applicable.

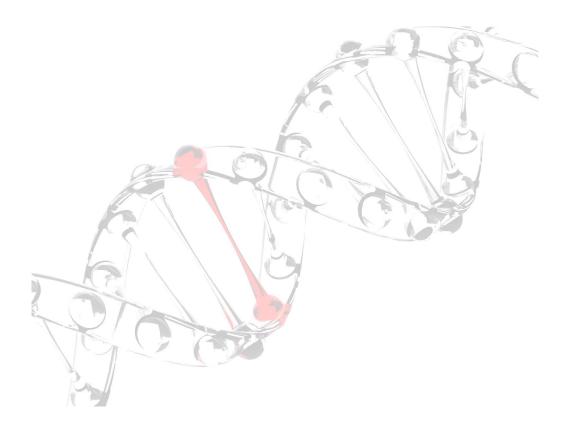
Take note of Dir 94/33/EC on the protection of young people at work.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has been carried out for this substance.

#### **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 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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