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Otto Chemie Pvt Ltd

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1: Product identifiers

Product Name : 1-Ethyl-3-(3-dimethylaminopropyl)carbodiimide hydrochloride, 98% Product Code : E 1451 CAS No: 25952-53-8

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 No 603, 6th Floor, Tardeo AC Market, 87, Tardeo Road, Tardeo, Mumbai, Maharashtra 400034, India (BHARAT)

1.4. Emergency telephone number Phone no. : + 91 98200 41841 (10 : 00 am - 06 : 00 pm)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixtureAcute toxicity, (Category 4)H302Acute toxicity, (Category 3)H311Skin irritation, (Category 2)H312Skin sensitization, (Category 1)H313Specific target organ toxicity -

repeated exposure, (Category 2), Stomach, large intestine, lymph node Short-term (acute) aquatic hazard, (Category 1) Long-term (chronic) aquatic

hazard, (Category 1) 2.2 Label elements Labelling according Regulation (EC) No 1272/2008 Pictogram Signal Word Hazard Statements H302 H311 Toxic in cc Causes sk H317 H373 May cause node) thro

H410 Precautionary Statements P260 P273 P280 P301 + P312

P302 + P352 + P312

P314 Supplemental Hazard Statements Reduced Labeling (<= 125 ml) Pictogram H302: Harmful if swallowed. H311: Toxic in contact with skin. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H373: May cause damage to organs through prolonged or repeated exposure if

swallowed.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

Harmful if swallowed. Toxic in contact with skin. Causes skin irritation. May cause an allergic skin reaction. May cause damage to organs (Stomach, large intestine, lymph node) through prolonged or repeated exposure if swallowed. Very toxic to aquatic life with long lasting effects. Do not breathe dust. Avoid release to the environment. Wear protective gloves/ protective clothing. IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. IF ON SKIN: Wash with plenty of water.Call a POISON CENTER/ doctor if you feel unwell. Get medical advice/ attention if you feel unwell. none

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Signal Word Hazard Statements	Danger				
Hazard Statements H311	Toxic in contact with skin.				
H317	May cause an allergic skin reaction.				
Precautionary Statements	may eader an anorgie eximited atom.				
P280	Wear protective gloves/ protective clothing.				
P302 + P352 + P312	IF ON SKIN: Wash with plenty of water Call a POISON CENTER/ doctor if you feel unwell.				
Supplemental Hazard					
Statements	none				
2.3 Other hazards					
This substance/mixture contains no	components considered to be either persistent,				
	very persistent and very bioaccumulative (vPvB) a	at			
levels of 0.1% or higher.					
Ecological information:	tain components considered to have endocrine				
	EACH Article 57(f) or Commission Delegated regu	lation			
	ulation (EU) 2018/605 at levels of 0.1% or higher.				
Toxicological 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 Reg	ulation (EU) 2018/605 at levels of 0.1% or higher.				
SECTION 3: Composition/information on ingredients					
3.1 Substances					
Formula : C8H18N3Cl					
Molecular weight : 191,70 g/mol CAS-No. : 25952-53-8					
EC-No. : 247-361-2					
EC-ING.	. 247-301-2				
Component	Classification	Concentration			
1-(3-(Dimethylamino)propyl)-3-ethy	I-carbodiimide hydrochloride				
CAS-No. 25952-53-8	Acute Tox. 4; Acute Tox. 3; Skin Irrit. 2; Skin	<= 100 %			
EC-No. 247-361-2	Sens. 1; STOT RE 2; Aquatic Acute 1; Aquatic				
	Chronic 1; H302, H3 <mark>11,</mark> H315, H317, H373,				
7	H400, H410 M-Factor - Aquatic Acute: 1 M-				
	Factor - Aquatic Chronic: 1	<u> </u>			
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

First aiders need to protect themselves. Show this material safety data sheet to the doctor

in attendance.

If inhaled

After inhalation: fresh air. Call in physician.

In case of skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with

water/ shower. Call a physician immediately.

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

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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 Nature of decomposition products not known. Combustible. Fire may cause evolution of: Hydrogen chloride gas, nitrogen oxides 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. **SECTION 6: Accidental release measures** 6.1 Personal precautions, protective equipment and emergency procedures Advice for non-emergency personnel: Avoid generation and inhalation of dusts in all circumstances. 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 carefully. 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. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorized persons. Recommended storage temperature see product label. Storage class Storage class (TRGS 510): 6.1C: Combustible, acute toxic Cat.3 / toxic compounds or compounds which causing chronic effects 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 This recommendation applies only to the product stated in the safety data sheet,

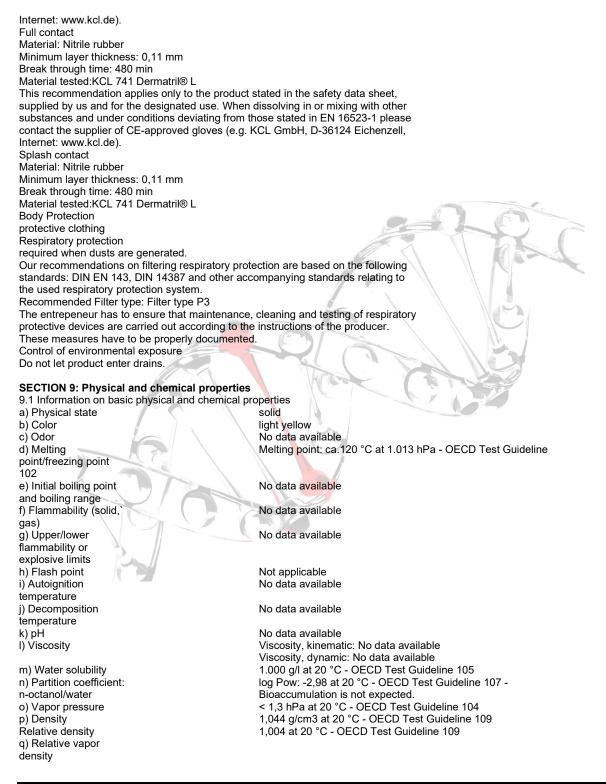
supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN 16523-1 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell,

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r) Particle No data available characteristics s) Explosive properties Not classified as explosive. 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 substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed. 10.2 Chemical stability The product is chemically stable under standard ambient conditions (room temperature). 10.3 Possibility of hazardous reactions Caution! In contact with nitrites, nitrates, nitrous acid possible liberation of nitrosamines! Violent reactions possible with: Oxidizing agents Acid anhydrides acid halides acids 10.4 Conditions to avoid no information available 10.5 Incompatible materials No data available 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. Eye contact. Toxicity to Animals: Oral LD50 Rat: 1500 mg/kg; Dermal LD50 Rabbit: 2000mg/kg Inhalation LC50 Rat: > 50mg/L. Chronic Effects on Humans: CARCINOGENIC EFFECTS: Classified None. by NTP, None. by OSHA, None. by NIOSH. Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant), of inhalation (lung irritant). 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. SECTION 12: Ecological information 12.1 Toxicity Toxicity to fish static test LC50 - Cyprinus carpio (Carp) - 4,6 mg/l - 96 h (OECD Test Guideline 203) Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 0,41 mg/l - 48 h (ISO 6341) Toxicity to bacteria EC50 - activated sludge - > 347 - < 470 mg/l - 3 h (OECD Test Guideline 209) 12.2 Persistence and degradability Biodegradability aerobic Chemical oxygen demand - Exposure time 28 d Result: < 5 % - Not readily biodegradable. (OECD Test Guideline 301F) 12.3 Bioaccumulative potential No data available 12.4 Mobility in soil No data available 12.5 Results of PBT and vPvB assessment This substance/mixture contains no components considered to be either persistent,

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bioaccumulative and toxic (Pf levels of 0.1% or higher. 12.6 Endocrine disrupting pro		nt and very bioaccumulative (v	/PvB) at
Product:	iperties		
Assessment :		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.	
12.7 Other adverse effects No data available		Regulation (EO) 2010/005 at	
SECTION 13: Disposal cons 13.1 Waste treatment method No data available			
SECTION 14: Transport info 14.1 UN number	ormation		
ADR/RID: 2811		IMDG: 2811	IATA: 2811
14.2 UN proper shipping nam	0	INDG. 2011	IATA. 2011
ADR/RID:		GANIC, N.O.S. (1-(3-(Dimethy	/lamino)propyl)-3-ethyl-
IMDG:			/lamino)propyl)-3-ethylcarbodiimide hydrochloride)
IATA:		c, n.o.s. (1-(3-(Dimethylamino)	
14.3 Transport hazard class(e	es) 🦳		
ADR/RID: 6.1	0	IMDG: 6.1	IATA: 6.1
14.4 Packaging group			
ADR/RID: III	hard a	IMDG: III	IATA: III
14.5 Environmental hazards		A Article	
ADR/RID: yes		IMDG Marine pollutant: yes	IATA: no
14.6 Special precautions for u	lser		
Tunnel restriction code : (E)			
Further information : No data	available		
SECTION 15: Regulatory int 15.1 Safety, health and enviro		/legislation specific for the	
substance or mixture			
This material safety data shee	et complies with the	requirements of Regulation (E	C) No.
1907/2006.			
National legislation			
Seveso III: Directive 2012/18/			
European Parliament and of t			
on the control of major-accide			
involving dangerous substand			
E1 ENVIRONMENTAL HAZA	RDS		
Other regulations		ta stian in assessments to Din Of	
0		tection in accordance to Dir 92	2/85/EEC 0r
stricter national regulations w Take note of Dir 94/33/EC on		ung people at work	
15.2 Chemical Safety Assess		ang people at work.	
For this product a chemical sa		as 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 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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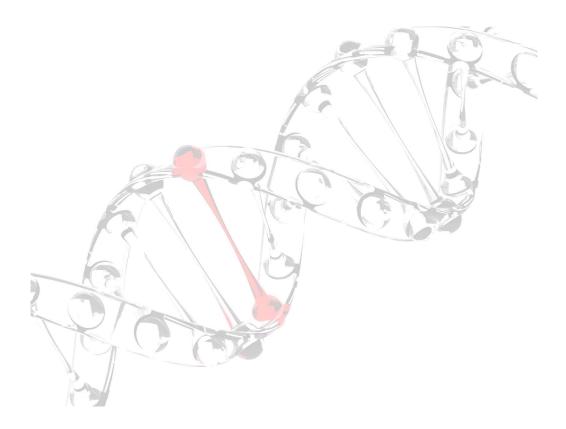
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