



DR. J. PHARMACHEM (INDIA)

MATERIAL SAFETY DATA SHEET	
1	IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
1.1	Product identifiers
	Product Name 11-Aminoundecanoic acid
	CAS NO. 2432-99-7
1.2	Relevant identified uses of the substance or mixture and uses advised against
	Identified uses Laboratory chemicals, Manufacture of substances
1.3	Details of the supplier of the safety data sheet
	COMPANY DR. J. PHARMACHEM (INDIA)
	722/AB/15 'NIRMAL' ,LAXMI PARK COLONY,
	NAVI PETH , PUNE- 411 030.INDIA
	Telephone : 020-24530071
	Fax : 020-24530110
2	HAZARDS IDENTIFICATION
2.1	Classification of the substance or mixture
	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
	Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.
2.2	Label elements
	The product does not need to be labelled in accordance with EC directives or respective national laws.
2.3	Other hazards none
3	COMPOSITION/INFORMATION ON INGREDIENTS
3.1	Substances
	Synonyms Aminoundecanoic acid Omega-aminoundecanoic acid Omega-aminoundecylic acid 11-aminoundecylic acid 11-Aminoundecansure
	Formula C11H23NO2
	Molecular Weight 201.31 g/mol
	Component Concentration
	11-Aminoundecanoic acid Min 98%
	Other unknown impurities Up to 2%
4	FIRST AID MEASURES
4.1	Description of first aid measures
	If inhaled If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a



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		physician.
	In case of skin contact	Wash off with soap and plenty of water.
	In case of eye contact	Flush eyes with water as a precaution
	If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water.
4.2	Most important symptoms and effects, both acute and delayed	
4.3	Indication of any immediate medical attention and special treatment needed	
	No data available	
5	FIREFIGHTING MEASURES	
5.1	Extinguishing media	
	Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
5.2	Special hazards arising from the substance or mixture	Carbon oxides, nitrogen oxides (NO _x)
5.3	Advice for firefighters	Wear self contained breathing apparatus for firefighting if necessary
5.4	Further information	No data available
6	ACCIDENTAL RELEASE MEASURES	
6.1	Personal precautions, protective equipment and emergency procedures	
	Avoid dust formation. Avoid breathing vapors, mist or gas.	
6.2	Environmental precautions	
	Do not let product enter drains	
6.3	Methods and materials for containment and cleaning up	
	Sweep up and shovel. Keep in suitable, closed containers for disposal.	
6.4	Reference to other sections	
	For disposal see section 13.	
7	HANDLING AND STORAGE	
7.1	Precautions for safe handling	
	Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.	
7.2	Conditions for safe storage, including any incompatibilities	
	Store in cool place. Keep container tightly closed in a dry and well-ventilated place.	
7.3	Specific end uses	
	no data available	
8	EXPOSURE CONTROLS/PERSONAL PROTECTION	
8.1	Control parameters	
	Components with workplace control parameter	
8.2	Exposure control	
	Appropriate engineering controls	
	General industrial hygiene practice.	
	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).	
	Skin protection	
	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique	



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	(without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.	
	Body Protection	
	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.	
	Respiratory protection	
	Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).	
9	PHYSICAL AND CHEMICAL PROPERTIES	
	Information on basic physical and chemical properties	
a)	Appearance	Form : Powder Colour : White
b)	Odour	No data available
c)	Odour Threshold	No data available
d)	pH	7 - 8
e)	Melting range/freezing range	188°C - 192 °C
f)	Initial boiling point and boiling range	334.9°C at 760 mmHg
g)	Flash point	No data available
h)	Evaporation rate	No data available
i)	Flammability (solid, gas)	No data available
j)	Upper/lower flammability or explosive limits	No data available
k)	Vapour pressure	No data available
l)	Density	0.59/lit at 20°C
m)	Relative density	No data available
n)	Water solubility	2 g/L (20 °C)
o)	Partition coefficient: octanol/water	No data available
p)	Autoignition temperature	No data available
q)	Decomposition temperature	No data available
r)	Viscosity	No data available
s)	Explosive properties	No data available
t)	Oxidizing properties	No data available
9.2	Other safety information	
	IUPAC Name	11-Aminoundecanoic acid
	Molecular Formula	C ₁₁ H ₂₃ NO ₂
	Molecular Weight	201.31
	SMILES	O=C(O)CCCCCCCCCN
	InChI	InChI=1S/C ₁₁ H ₂₃ NO ₂ /c12-10-8-6-4-2-1-3-5-7-9-11(13)14/h1-10,12H ₂ ,(H,13,14)
	EINECS	219-417-6
10	STABILITY AND REACTIVITY	



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10.1	Reactivity	No data available
10.2	Chemical stability	Stable under normal temperatures and pressures.
10.3	Possibility of hazardous reactions	No data available
10.4	Conditions to avoid	Incompatible materials, temperatures above 65°C.
10.5	Hazardous decomposition products	Nitrogen oxides, Carbon monoxide, Carbon dioxide.
11	TOXICOLOGICAL INFORMATION	
11.1	Information on toxicological effects	
	Acute toxicity	No data available
	Skin corrosion/irritation	No data available
	Serious eye damage/eye irritation	No data available
	Respiratory or skin sensitization	No data available
	Germ cell mutagenicity	Genotoxicity in vitro - Hamster - Embryo Morphological transformation. Genotoxicity in vitro - Hamster - ovary Sister chromatid exchange
	Carcinogenicity	Carcinogenicity - rat - Oral Tumorigenic: Carcinogenic by RTECS criteria. Kidney, Ureter, Bladder: Tumors. Carcinogenicity - rat - Oral Tumorigenic: Neoplastic by RTECS criteria. Skin and Appendages: Other: Tumors. IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
	Reproductive toxicity	No data available
	Specific target organ toxicity - single exposure	No data available
	Specific target organ toxicity - repeated exposure	No data available
	Aspiration hazard	No data available
	Potential health effects	
	Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
	Ingestion	May be harmful if swallowed.
	Skin	May be harmful if absorbed through skin. May cause skin irritation.
	Eyes	May cause eye irritation.
	Signs and Symptoms of Exposure	
	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.	
	Additional Information	
	RTECS: YQ2293000	
12	ECOLOGICAL INFORMATION	
12.1	Toxicity	No data available



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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	No data available	
12.6	Other	Readily biodegradable.	
13	DISPOSAL CONSIDERATIONS		
13.1	Waste treatment methods		
	Product	Offer surplus and non-recyclable solutions to a licensed disposal company	
	Contaminated packaging	Dispose of as unused product.	
14	TRANSPORT INFORMATION		
14.1	UN number		
	ADR/RID	IMDG	IATA
	-	-	-
14.2	UN proper shipping name		
	ADR/RID	IMDG	IATA
	Not dangerous goods	Not dangerous goods	Not dangerous goods
14.3	Transport hazard class(es)		
	ADR/RID	IMDG	IATA
	-	-	-
14.4	Packaging group		
	ADR/RID	IMDG	IATA
	-	-	-
14.5	Environmental hazards		
	ADR/RID	IMDG Marine pollutant	IATA
	no	no	no
14.6	Special precautions for user	no data available	
15	REGULATORY INFORMATION		
	This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.		
15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	no data available	
15.2	Chemical Safety Assessment	no data available	
16	OTHER INFORMATION		
	Further information		
	<p>The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Dr J Pharmachem (India) and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.jpharmachem.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.</p> <p>Month of Creation :- September 2013 Month of Revision :- September 2016</p>		