

DR. J. PHARMACHEM PVT. LTD.

Regd. Office : 722/AB/15, "Nirmal", Laxmi Park Colony, Navi Peth, Pune - 411030, India
Telephone : +91 (20) 24530071
Email : info@jpharmachem.com, Web : www.jpharmachem.com
Factory : Plot No. - 311, Sector- 10, Bhosari, Pune, India, 411035



(an ISO 9001:2016 Certificate Company)

Safety Data Sheet

11-AMINOUNDECANOIC ACID

Revision date :

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Version : 3.0

NUMBER

1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifiers

Chemical Name	11-Aminoundecanoic acid
CAS NO.	2432-99-7

Relevant identified uses of the substance or mixture and uses advised against

1. 11-AUA is a monomer produced from vegetable origin, castor oil.
2. 11-AUA is used in manufacture of composite multilayered semiconductors using nano gold and titanium dioxide electrodes.
3. 11-AUA is used manufacture of Polyetheresteramides hot melt adhesives for bonding textiles

Details of the supplier of the safety data sheet

COMPANY

DR. J. PHARMACHEM PVT LTD

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

Physical and Chemical Hazards	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
Human Health	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
Environment	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.

Labelling according Regulation (EC) No 1272/2008 [CLP]

Label elements	Not a hazardous substance or mixture
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According to European Directive 67/548/EEC as amended	Not a hazardous substance or mixture
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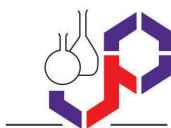
Other hazards	None
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3 COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Component

Chemical Name	11-AMINOUNDECANOIC ACID
CAS NO	2432-99-7
EC Number	219-417-6
Molecular Formula	C ₁₁ H ₂₃ NO ₂
Molecular Weight	201.31 g/mol



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Concentration Min 98%

4 FIRST AID MEASURES

Description of first aid measures

General advice

Consult a physician. Show this material safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

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. Consult a physician.

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

Indication of any immediate medical attention and special treatment needed

No data available

5 FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Carbon oxides, Nitrogen oxides (NO_x)

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

No data available

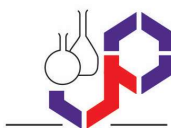
6 ACCIDENTAL RELEASE MEASURES

Personal precautions protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. For personal protection see section 8.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.



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Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep insuitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

7 HANDLING AND STORAGE

Precautions for safe handling

No data available

Information about protection against explosions and fires

Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Appropriate engineering controls

General industrial hygiene practice.

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

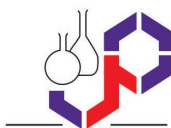
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. 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



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approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

9 PHYSICAL AND CHEMICAL PROPERTIES

a) Appearance	Form : Powder Colour : White
b) Odour	No data available
c) Odour Threshold	No data available
d) pH (% solution in water)	No data available
pH	7 - 8
e) Melting point/freezing point	188 - 192 °C
f) Initial boiling point and boiling range	334.9 at 760 mmHg
g) Flash point	No data available
h) Evaporation rate	No data available
i) Flammability (solid or gas)	The product is not flammable.
j) Upper/lower flammability or explosive limits	No data available
k) Vapour pressure	No data available
l) Vapour density	No data available
m) Relative density	1,17 at 26,1 °C - OECD Test Guideline 109
n) Water solubility	2 g/L (20 °C)
o) Partition coefficient: n-octanol/water	No data available
p) Autoignition temperature	> 360 °C at 1.013,25 hPa
q) Decomposition temperature	> 180 - < 240 °C -
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

9.2 Other safety information

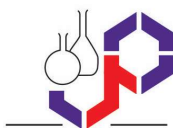
Bulk Density	0,5 g/l at 20 °C
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10 STABILITY AND REACTIVITY

Reactivity

Chemical stability

Stable under normal temperatures and



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	pressures.
Possibility of hazardous reactions	No data available
Conditions to avoid	No data available
Incompatible materials	Strong bases
Hazardous decomposition products	In the event of fire: see section 5

11 TOXICOLOGICAL INFORMATION

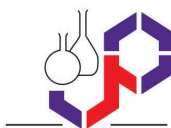
Information on toxicological effects

Acute oral toxicity	LD50 Oral - Rat - female - 14.700 - 21.500 mg/kg (OECD Test Guideline 401) LD0 Dermal - Rat - male and female - $\geq$ 2.000 mg/kg (OECD Test Guideline 402)
Skin corrosion/irritation	Skin - Rabbit Result: No skin irritation - 23 h (OECD Test Guideline 404)
Serious eye damage/eye irritation	Eyes - Rabbit Result: No eye irritation - 7 d (OECD Test Guideline 405)
Respiratory or skin sensitization	Maximization Test - Guinea pig, Result: Does not cause skin sensitization. (OECD Test Guideline 406)
Germ cell mutagenicity	Hamster ovary Result: negative OECD Test Guideline 484 Mouse - male Result: negative
IARC	3 - Group 3: Not classifiable as to its carcinogenicity to humans (11- aminoundecanoic acid)
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available
Signs and symptoms of exposure	No data available
Route of exposure	No data available
Aspiration hazard	No data available
RTECS	YQ2293000

12 ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish	static test LC50 - Danio rerio (zebra fish) - $>$ 833 mg/l - 96 h (OECD Test Guideline 203)
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Toxicity to daphnia and other aquatic invertebrates	static test EC50 - Daphnia magna (Water flea) - > 350 mg/l - 48 h (OECD Test Guideline 202)
Toxicity to Algae/Aquatic plants	static test EC50 - Pseudokirchneriella subcapitata - 53 mg/l - 72 h (OECD Test Guideline 201)
Toxicity to microorganisms	Growth inhibition EC50 - Pseudomonas putida - 1,5 mg/l - 16 h

Persistence and degradability

Biodegradation

aerobic - Exposure time 28 d Result: 77 % - Readily biodegradable. (OECD Test Guideline 301B)

Bio accumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	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.
Other adverse effects	Harmful to aquatic life.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical

Contaminated packaging

Dispose of as unused product.

14 TRANSPORT INFORMATION

UN number

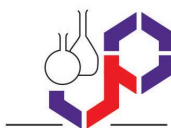
ADR/RID	IMDG	IATA
-	-	-

UN proper shipping name

ADR/RID	IMDG	IATA
Not dangerous goods	Not dangerous goods	Not dangerous goods

Transport hazard class(es)

ADR/RID	IMDG	IATA
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Packaging group

ADR/RID

IMDG

IATA

-

-

-

Environmental hazards

ADR/RID

IMDG Marine pollutant

IATA

No

No

No

Special precautions for user

none

15 REGULATORY INFORMATION

Safety health and environmental regulations/legislation specific for the substance or mixture

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

16 OTHER INFORMATION

Further information

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

Month of Revision :- March 2027

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