

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

DL-ISOCITRIC ACID TRISODIUM SALT

Revision date :

Page: 1/7

Version : 3.0

NUMBER

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

Product identifiers

Chemical Name	DL-Isocitric acid trisodium salt
CAS NO.	1637-73-6

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

1. In laboratory chemical used as indicator for titration.

Details of the supplier of the safety data sheet

COMPANY

DR. J. PHARMACHEM PVT LTD
722/AB/15, "NIRMAL", Laxmi Park Colony, Navi
Peth,
Pune - 411030
Maharashtra, India
Telephone : +91-20-24530071
Email - sales@jpharmachem.com

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.
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This substance is not classified as dangerous according to Directive 67/548/EEC.

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

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.
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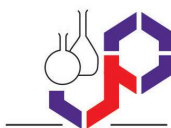
3 COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Component

Chemical Name	DL-Isocitric acid trisodium salt
CAS NO	1637-73-6
EC Number	216-668-3
Molecular Formula	$C_6H_5O_7Na_3 \cdot xH_2O$
Molecular Weight	258.07 g/mol.
Concentration	94 % Min.

4 FIRST AID MEASURES



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Description of first aid measures

General advice

No data available.

If inhaled

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

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.

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, Sodium oxides.

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

6 ACCIDENTAL RELEASE MEASURES

Personal precautions protective equipment and emergency procedures

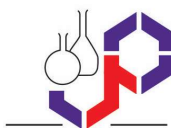
Avoid dust formation.
Avoid breathing vapours, mist or gas.
For personal protection see section 8.

Environmental precautions

No special environmental precautions required.

Methods and materials for containment and cleaning up

Sweep up and shovel.
Keep in suitable, closed containers for disposal.



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Reference to other sections

For disposal see section 13.

7 HANDLING AND STORAGE

Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.2.

Information about protection against explosions and fires

Store in cool place.

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

Storage class (TRGS 510): Non Combustible Solids

Conditions for safe storage including any incompatibilities

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

Specific end use(s)

No data available.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure control

No data available.

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).

Hands 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.

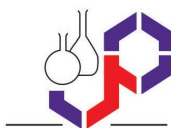
Wash and dry hands.

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.



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Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

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.

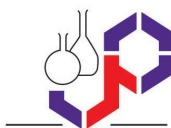
Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

No special environmental precautions required.

9 PHYSICAL AND CHEMICAL PROPERTIES

a) Appearance	White powder
b) Odour	No data available.
c) Odour Threshold	No data available.
d) pH (% solution in water)	No data available.
e) Melting point/freezing point	No data available.
f) Initial boiling point and boiling range	No data available.
g) Flash point	No data available.
h) Evaporation rate	No data available.
i) Flammability (solid or gas)	No data available.
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	No data available.
n) Water solubility	No data available.
o) Partition coefficient: n-octanol/water	No data available.
p) Autoignition temperature	No data available.
q) Decomposition temperature	No data available.
r) Viscosity	No data available.



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s) Explosive properties No data available.

t) Oxidizing properties No data available.

9.2 Other safety information

Bulk Density No data available.

10 STABILITY AND REACTIVITY

Reactivity No data available.

Chemical stability Stable under recommended storage conditions.

Possibility of hazardous reactions No data available.

Conditions to avoid No data available.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition products
her decomposition products - No data available
In the event of fire: see section 5.

11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity No data available.

Acute oral toxicity No data available.

Acute Inhalation toxicity No data available.

Acute dermal toxicity No data available.

Acute Irritation / corrosion 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 No data available.

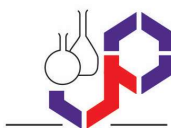
IARC
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity No data available.

Specific target organ toxicity - single exposure No data available.

Specific target organ toxicity - repeated exposure No data available.

Signs and symptoms of exposure No data available.



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Aspiration hazard

No data available.

RTECS

No data available.

Signs And Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12 ECOLOGICAL INFORMATION

Toxicity

No data available.

Persistence and degradability

Biodegradation

No data available.

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

No data available.

13 DISPOSAL CONSIDERATIONS

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

UN number

ADR/RID

IMDG

IATA

-

-

-

UN proper shipping name

ADR/RID

IMDG

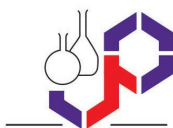
IATA

Not dangerous goods

Not dangerous goods

Not dangerous goods

Transport hazard class(es)



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ADR/RID

IMDG

IATA

-

-

-

Packaging group

ADR/RID

IMDG

IATA

-

-

-

Environmental hazards

ADR/RID

IMDG Marine pollutant

IATA

No

No

No

Special precautions for user

No data available.

15 REGULATORY INFORMATION

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

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

No data available.

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

16 OTHER INFORMATION

Month of Creation

March 2023

Month of Revision

March 2027