

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

LITHIUM BENZOATE

Revision date :

Page: 1/7

Version : 3.0

NUMBER

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

1.1 Product identifiers

Chemical Name Lithium benzoate
CAS NO. 553-54-8

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

1. It is used as nucleating agent during manufacture of Spandex, Elastane, Elasthane (France), Elastan (Germany), Elastano (Spain and Portugal), Elastam (Italy) and Elasthaan (Holland), and is known worldwide as Lycra
2. It is used as catalyst for the polymerization of polypropylene resins.
3. Used as plasticizer and anti oxidant in high temperature lubricants.

Details of the supplier of the safety data sheet

COMPANY

DR. J. PHARMACHEM PVT LTD

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Physical and Chemical Hazards Acute toxicity, Oral (Category 4)
Harmful if swallowed.

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

Pictogram



Signal word

Warning.

H302

Harmful if swallowed.

Hazard symbol(s)



R-phrases(s)

R22

Harmful if swallowed.

S-phrases(s)

S22

Do not breathe dust.

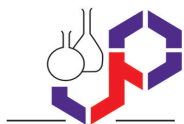
S36

Wear suitable protective clothing.

2.3 Other hazards

No data available.

3 COMPOSITION/INFORMATION ON INGREDIENTS



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3.1 Substances

Component	Lithium benzoate
Chemical Name	Lithium benzoate
CAS NO	553-54-8
EC Number	209-042-6
Molecular Formula	C ₇ H ₅ LiO ₂
Molecular Weight	128.05 g/mol.
Concentration	98 % Min

4 FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Consult a physician. Show this 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.

4.2 Most important symptoms and effects, both acute and delayed

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

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

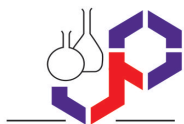
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
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5.2 Special hazards arising from the substance or mixture

Carbon oxides, Lithium oxides

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.



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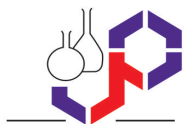
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5.4	Further information	No data available.
6	ACCIDENTAL RELEASE MEASURES	
6.1	Personal precautions protective equipment and emergency procedures	
		Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust.
6.2	Environmental precautions	
		Do not let product enter drains.
6.3	Methods and materials for containment and cleaning up	
		Pick up and arrange disposal without creating dust. 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	
		Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
7.2	Information about protection against explosions and fires	
		No data available.
7.3	Conditions for safe storage including any incompatibilities	
		Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
7.4	Specific end use(s)	
		No data available.
8	EXPOSURE CONTROLS/PERSONAL PROTECTION	
8.1	Control parameters	
8.2	Exposure control	
		No data available.
	Appropriate engineering controls	
		Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
	Eye/face protection	
		Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).



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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.

Body Protection

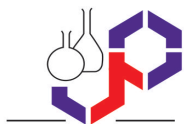
Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9 PHYSICAL AND CHEMICAL PROPERTIES

a) Appearance	Form : Fine powder free from visible impurities
b) Odour	Odorless
c) Odour Threshold	No data available.
d) pH (% solution in water)	0
pH	7.00 - 9.00
e) Melting point/freezing point	> 300 Deg C
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	4.4
m) Relative density	1.19 g/cm ³
n) Water solubility	33 g/100 ml 25 Deg C
o) Partition coefficient: n-octanol/water	No data available.
p) Autoignition temperature	No data available.
q) Decomposition temperature	375 - 441 Deg C
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 Tap 0.87 g/cc

10 STABILITY AND REACTIVITY

10.1 Reactivity No data available.

10.2 Chemical stability No data available.

10.3 Possibility of hazardous reactions No data available.

10.4 Conditions to avoid Avoid moisture.

10.5 Incompatible materials Strong oxidizing agents.

10.6 Hazardous decomposition products Other decomposition products - no data available.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity LD50 Oral - Mouse - 1.198 mg/kg

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.

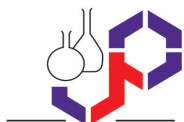
Specific target organ toxicity - single exposure No data available.

Specific target organ toxicity - repeated exposure No data available.

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

Aspiration hazard No data available.

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.



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Ingestion	Harmful if swallowed.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.
RTECS	OJ5720000

12 ECOLOGICAL INFORMATION

12.1 Toxicity No data available.

12.2 Persistence and degradability

Biodegradation

No data available.

12.3 Bio accumulative 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 adverse effects No data available.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.
Contact a licensed professional waste disposal service to dispose of this material.
Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of as unused product.

14 TRANSPORT INFORMATION

14.1 UN number

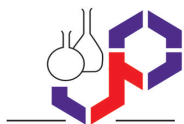
ADR/RID	IMDG	IATA
-	-	-

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
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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

Month of Creation

March 2023

Month of Revision

March 2027