
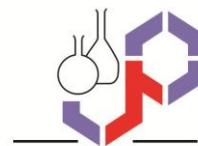


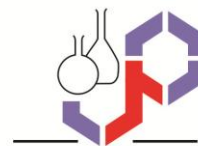
DR. J. PHARMACHEM (INDIA)

<b>MATERIAL SAFETY DATA SHEET</b>	
<b>1</b>	<b>IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING</b>
<b>1.1</b>	<b>Product identifiers</b>
	Product Name Zinc Benzoate
	CAS NO. 553-72-0
<b>1.2</b>	<b>Relevant identified uses of the substance or mixture and uses advised against.</b>
	Identified uses 1. Zinc Benzoate is commonly used in food and feed additives as a preservative. 2. Zinc Benzoate is used as PVC-Stabilizer.
<b>1.3</b>	<b>Details of the supplier of the safety data sheet.</b>
	COMPANY DR. J. PHARMACHEM (INDIA).
	722/AB/15 'NIRMAL' ,LAXMI PARK COLONY, NAVI PETH , PUNE- 411 030.INDIA
	Telephone : 020-24530071
	Fax : 020-24530110.
<b>2</b>	<b>HAZARDS IDENTIFICATION</b>
<b>2.1</b>	<b>Classification of the substance or mixture</b>
	<b>Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]</b>
	Skin irritation (Category 2) Eye irritation (Category 2A)
	<b>Classification according to EU Directives 67/548/EEC or 1999/45/EC</b>
	Irritant
<b>2.2</b>	<b>Label elements</b>
	<b>Labelling according Regulation (EC) No 1272/2008 [CLP]</b>
	Pictogram 
	Signal word Warning
	Hazard statement(s)
	H315 Causes skin irritation.
	H319 Causes serious eye irritation.
	H335 May cause respiratory irritation.
	<b>Precautionary statement(s)</b>
	P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
	P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	Supplemental Hazard Statements None.
<b>2.3</b>	<b>Other hazards</b> None.
<b>3</b>	<b>COMPOSITION/INFORMATION ON INGREDIENTS</b>
<b>3.1</b>	<b>Substances</b>



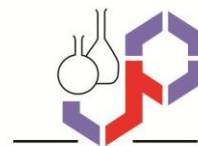
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	Synonyms	Zinkdibenzoat zinc dibenzoate Benzoicacid,zincsalt Dibenzoic acid zinc salt Bisbenzoic acid zinc salt
	Formula	C <sub>14</sub> H <sub>10</sub> O <sub>4</sub> Zn
	Molecular Weight	307.62 g/mol
	<b>Component</b>	<b>Concentration</b>
	Zinc Ricinoleate	100.0 %
	CAS- NO	553-72-0
	EINECS	209-047-3
4	<b>FIRST AID MEASURES</b>	
4.1	<b>Description of first aid measures</b>	
	<b>General advice</b>	
	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.	
	<b>If inhaled</b>	If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.
	<b>In case of skin contact</b>	Wash off with soap and plenty of water. Consult a physician
	<b>In case of eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
	<b>If swallowed</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician
4.2	<b>Most important symptoms and effects, both acute and delayed</b>	
	No data available	
4.3	<b>Indication of any immediate medical attention and special treatment needed</b>	
	No data available.	
5	<b>FIREFIGHTING MEASURES</b>	
5.1	<b>Extinguishing media</b>	
	<b>Suitable extinguishing media</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
5.2	<b>Special hazards arising from the substance or mixture</b>	No data available
5.3	<b>Advice for fire-fighters</b>	Wear self contained breathing apparatus for fire fighting if necessary.
5.4	<b>Further information</b>	No data available.
6	<b>ACCIDENTAL RELEASE MEASURES</b>	
6.1	<b>Personal precautions</b>	
	Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.	
6.2	<b>Environmental precautions</b>	
	Do not let product enter drains.	
6.3	<b>Methods and materials for containment and cleaning up</b>	
	Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.	
6.4	<b>Reference to other sections</b>	



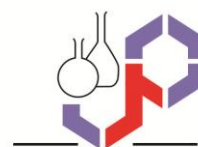
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	No data available	
7	<b>HANDLING AND STORAGE</b>	
7.1	<b>Precautions for safe handling</b>	
	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.	
7.2	<b>Conditions for safe storage, including any incompatibilities</b>	
	Keep container tightly closed in a dry and well-ventilated place.	
7.3	<b>Other Precautions</b>	
	No data available	
8	<b>EXPOSURE CONTROLS/PERSONAL PROTECTION</b>	
8.1	<b>Control parameters</b>	
	<b>Components with workplace control parameter</b>	
8.2	<b>Exposure control</b>	
	<b>Appropriate engineering controls</b>	
	General (mechanical) room ventilation.	
	<b>Personal protective equipment</b>	
	Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).	
	<b>Eye/face protection</b>	
	Safety glasses	
	<b>Skin protection</b>	
	Choose body protection according to the amount and concentration of the dangerous substance at the work place.	
	<b>Hand Protection</b>	
	Handle with gloves.	
	<b>Hygiene measures</b>	
	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.	
	<b>Protective Clothing</b>	
	PVC gloves, chemical resistant goggles or safety glasses with side shields and light protective clothing are required.	
	<b>Other Protection</b>	
	Eye bath and safety shower located near work process area.	
9	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>	
	<b>Information on basic physical and chemical properties</b>	
a)	Appearance	White powder, crystalline
b)	Odour	No data available.
c)	Odour Threshold	No data available.
d)	pH (1% solution in water)	No data available.
e)	Melting point/freezing point	205-210° C
f)	Initial boiling point and boiling range	No data available.
g)	Flash point	No data available.
h)	Evaporation rate	No data available.



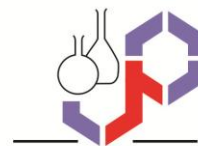
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i)	Flammability (solid, gas)	Non-flammable.
j)	Upper/lower flammability or explosive limits	No data available.
k)	Vapour pressure	No data available.
l)	Vapour density	No data available.
m)	Relative density	No data available.
n)	Water solubility	Insoluble in water
o)	Partition coefficient: noctanol/water	No data available.
p)	Auto ignition 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	<b>Other safety information</b>	
	SMILES	[Zn+2].[O-]C(=O)c1ccccc1.[O-]C(=O)c1ccccc1
	Inch-I	1/2C7H6O2.Zn/c2*8-7(9)6-4-2-1-3-5-6;/h2*1-5H,(H,8,9);/q;;+2/p-2
10	<b>STABILITY AND REACTIVITY</b>	
10.1	<b>Reactivity</b>	Stable under recommended storage conditions.
10.2	<b>Chemical stability</b>	Stable under normal conditions of storage and handling.
10.3	<b>Possibility of hazardous reactions</b>	No data available.
10.4	<b>Conditions to avoid</b>	None known.
10.5	<b>Incompatible materials</b>	Strong oxidizing agents
10.6	<b>Hazardous decomposition products</b>	Hazardous decomposition products formed under fire conditions. - Carbon oxides
10.7	<b>Hazardous Polymerization</b>	Will not occur.
11	<b>TOXICOLOGICAL INFORMATION</b>	
11.1	<b>Information on toxicological effects</b>	
	<b>Acute toxicity</b>	No data available.
	<b>Skin corrosion/irritation</b>	No data available.
	<b>Serious eye damage/eye irritation</b>	No data available.
	<b>Respiratory or skin sensitization</b>	No data available.
	<b>Germ cell mutagen city</b>	No data available.
	<b>Signs and Symptoms of Exposure</b>	
	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.	
	<b>Carcinogenicity</b>	Repeated skin contact may cause a persistent irritation or dermatitis.
	IARC	No data available.
	<b>Reproductive toxicity</b>	No data available.
	<b>Specific target organ toxicity - single exposure</b>	No data available.
	<b>Specific target organ toxicity - repeated exposure</b>	No data available.
	<b>Aspiration hazard</b>	No data available.
	<b>Additional Information</b>	



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	RTECS	No data available.	
	Potential Health Effects		
	Inhalation	Causes respiratory tract irritation.	
	Skin	Causes skin irritation.	
	Eyes	Causes eye irritation.	
	Ingestion	May be harmful if swallowed.	
12	<b>ECOLOGICAL INFORMATION</b>		
	<b>ECOTOXICOLOGICAL INFORMATION</b>		
	No data available.		
12.1	<b>Toxicity</b>	No data available.	
12.2	<b>Persistence and degradability</b>	No data available.	
12.3	<b>Bio accumulative potential</b>	No data available.	
12.4	<b>Mobility in soil</b>	No data available.	
12.5	<b>Results of PBT and vPvB assessment</b>	No data available.	
12.6	<b>Other adverse effects</b>		
	<b>CHEMICAL FATE INFORMATION</b>	No data available.	
13	<b>DISPOSAL CONSIDERATIONS</b>		
13.1	<b>Waste treatment methods</b>		
	<b>Disposal Requirements</b>		
	No data available.		
	<b>Contaminated packaging</b>		
	No data available.		
14	<b>TRANSPORT INFORMATION</b>		
14.1	<b>UN number</b>		
	ADR/RID	IMDG	IATA
	No data available.	No data available.	No data available.
14.2	<b>UN proper shipping name</b>		
	ADR/RID	IMDG	IATA
	Zinc Ricinoleate.	Zinc Ricinoleate.	Zinc Ricinoleate.
14.3	<b>Transport hazard class(es)</b>		
	ADR/RID	IMDG	IATA
	Not regulated.	Not regulated.	Not regulated.
14.4	<b>Packaging group</b>		
	ADR/RID	IMDG	IATA
	No data available.	No data available.	No data available.
14.5	<b>Environmental hazards</b>		
	ADR/RID	IMDG Marine pollutant	IATA
	Not dangerous goods	Not dangerous goods	Not dangerous goods
14.6	<b>Special precautions for user</b>		
	No data available.		
15	<b>REGULATORY INFORMATION</b>		
	No data available.		



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15.1	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture.</b>
	No data available.
15.2	<b>Chemical Safety Assessment</b>
	For this product a chemical safety assessment was not carried out.
16	<b>OTHER INFORMATION</b>
	<b>Further information</b>
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