

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

GLYOXAL BIS (SODIUM HYDROGEN SULFITE) ADDUCT HYDRATE

Revision date :

Page: 1/8

Version : 3.0

NUMBER

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

1.1 Product identifiers

Chemical Name Glyoxal bis sodium bisulfite
CAS NO. 517-21-5

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

1. GBSHS is used as pH lowering chemical for swimming pools.
2. GBSHS is used as cross-linking agent to accelerate solidification of gelatin and other polyesters.
3. GBSHS is used for pH adjustment of textile painting or screen printing inks.

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 Not classified
Human Health Skin irritation (category 2) Eye irritation (category 2) Specific target organ toxicity - single e
Environment Not classified
Irritating to eyes, respiratory system and skin.

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

Pictogram



Signal word

Warning

H315
H319
H335

Causes skin irritation
Causes serious eye irritation
May cause respiratory irritation

P261

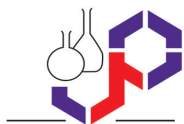
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove Contact lenses, if present and

Hazard symbol(s)





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R36/37/38 Irritating to eye, respiratory system and skin.
S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37 Wear suitable protective clothing and gloves.

2.3 Other hazards None

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Component

Chemical Name	Glyoxal bis sodium bisulfite
CAS NO	517-21-5
EC Number	208-233-1
Molecular Formula	C ₂ H ₄ Na ₂ O ₈ S ₂ - xH ₂ O
Molecular Weight	266.16 g/mol
Concentration	Min 98%

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	Rinse thoroughly with plenty of water for at least 15 minutes and consult physician.
If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

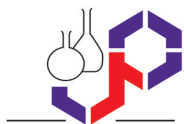
4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5 FIREFIGHTING MEASURES



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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, Sulphur oxides, Sodium oxides

5.3 Advice for firefighters

Wear self contained breathing apparatus for firefighting if necessary.

5.4 Further information

None

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, 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

7.2 Information about protection against explosions and fires

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

7.3 Conditions for safe storage including any incompatibilities

Store the container tightly closed in a dry, cool and well-ventilated place. Store apart from foodstuff containers or incompatible materials.

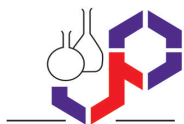
7.4 Specific end use(s)

Mentioned under 1.2

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Appropriate engineering controls



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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).

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

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

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

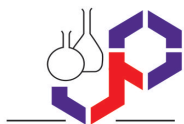
For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN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

Control of environmental exposure

No data available

9 PHYSICAL AND CHEMICAL PROPERTIES

a) Appearance	Form : Crystalline powder Colour : White to beige
b) Odour	No data available
c) Odour Threshold	No data available
d) pH (% solution in water)	No data available
pH	6 - 7
e) Melting point/freezing point	193-1950C
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



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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	1 gm in 50 ml water, hesis
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
s)Explosive properties	No data available
t)Oxidizing properties	No data available

9.2 Other safety information

Bulk Density	No data available
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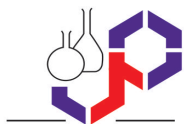
10 STABILITY AND REACTIVITY

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	No data available
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 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



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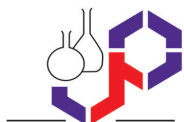
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Germ cell mutagenicity	No data available
Carcinogenicity	No data available
IARC	: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity	no data available
Specific target organ toxicity - single exposure	Inhalation- May cause respiratory irritation.
Specific target organ toxicity - repeated exposure	no data available
Signs and symptoms of exposure	no data available
Aspiration hazard	no data available
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.
RTECS	Not available

12 ECOLOGICAL INFORMATION

12.1	Toxicity	no data available
	Toxicity to fish	no data available
	Toxicity to daphnia and other aquatic invertebrates	no data available
	Toxicity to Algae/Aquatic plants	no data available
	Toxicity to microorganisms	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



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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 m

Contaminated packaging

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it

14 TRANSPORT INFORMATION

14.1 UN number

ADR/RID

IMDG

IATA

-

-

-

14.2 UN proper shipping name

ADR/RID

IMDG

IATA

-

-

-

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

-

-

-

14.6 Special precautions for user no data available

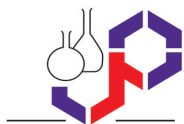
15 REGULATORY INFORMATION

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



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no data available

16 OTHER INFORMATION

See under section 2

See under section 2

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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