



DR. J. PHARMACHEM (INDIA)

MATERIAL SAFETY DATA SHEET	
1	IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
1.1	Product identifiers
	Product Name ACETONE SODIUM BISULFITE
	CAS NO. 540-92-1
1.2	Relevant identified uses of the substance or mixture and uses advised against
	Identified uses Laboratory chemicals, manufacture of substance
1.3	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- 411 030.INDIA
	Telephone : 020-24530071
	Fax : 020-24530110
2	HAZARDS IDENTIFICATION
	No data available
3	COMPOSITION/INFORMATION ON INGREDIENTS
3.1	Substances
	Synonyms 2-Propanesulfonicacid, 2-hydroxy-, monosodium salt (8CI,9CI); 2-Propanesulfonic acid,2-hydroxy-, sodium salt (7CI); Sodium 1-hydroxy-1-methylethanesulfonate; Sodium 2-hydroxy-2-propanesulfonate; Sodium acetone bisulfite
	Formula C3H7O4S.Na
	Molecular Weight 162.14
	Component Concentration
	Acetone sodium bisulfite Min 98%
	Other unknown impurities Up to 2%
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.



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	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, carbon dioxide, dry chemical powder or appropriate foam.
5.2	Specific hazards	Emits toxic fumes under fire conditions.
5.3	Advice for firefighters	Wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes
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 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 measures for preventive fire protection.
7.2	Conditions for safe storage, including any incompatibilities	
		Store in cool place. Keep container tightly closed in a dry and cool place.
7.3	Specific end uses	
		no data available
8	EXPOSURE CONTROLS/PERSONAL PROTECTION	
8.1	Control parameters	
		Components with workplace control parameter
8.2	Exposure control	
		Appropriate engineering controls
		Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
		Personal protective equipment





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	Eye/face protection	
	Safety glasses with side-shields .Use equipment for eye protection tested and approved under appropriate government standards.	
	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.	
	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	
	Use respirators and components tested and approved under appropriate government standards.	
9	PHYSICAL AND CHEMICAL PROPERTIES	
	Information on basic physical and chemical properties	
a)	Appearance	Form: Crystalline powder Colour : White
b)	Odour	Odourless
c)	Odour Threshold	No data available
d)	pH	4 - 5
e)	Melting range/freezing range	Above 300°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, gas)	No data available
j)	Upper/lower flammability or explosive limits	No data available
k)	Vapour pressure	No data available
l)	Density	1.488 g/cm ³
m)	Relative density	No data available
n)	Water solubility	10% solution is clear
o)	Partition coefficient: noctanol/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	
	IUPAC Name	Sodium 2-hydroxypropane-2-sulfonate
	Molecular Formula	C ₃ H ₇ NaO ₄ S
	Molecular Weight	162.14
	SMILES	[Na+].[O-]S(=O)(=O)C(O)(C)C
	InChI	1S/C3H8O4S.Na/c1-3(2,4)8(5,6)7;/h4H,1-2H3,(H,5,6,7);q:+1/p-1
	EINECS	208-761-2
10	STABILITY AND REACTIVITY	
10.1	Reactivity	No data available
10.2	Chemical stability	Stable.





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10.3	Possibility of hazardous reactions	Will not occur
10.4	Conditions to avoid	Strong oxidizing agents, Acids.
10.5	Incompatible materials	No data available
10.6	Hazardous decomposition products	Carbon monoxide, Carbon dioxide, Sulfur oxides.
11	TOXICOLOGICAL INFORMATION	
11.1	Information on toxicological effects	
	Acute toxicity	LD50 Intraperitoneal Mouse >1 GM/KG
	Skin corrosion/irritation	Causes skin irritation.
	Serious eye damage/eye irritation	Causes eye irritation.
	Respiratory or skin sensitization	Material is irritating to mucous membranes and upper respiratory tract.
	Germ cell mutagenicity	No data available
	Carcinogenicity	No data available
	Reproductive toxicity	No data available
	Specific target organ toxicity - single exposure	No data available
	Specific target organ toxicity - repeated exposure	No data available
	Aspiration hazard	No data available
	Potential health effects	
	Inhalation	Material is irritating to mucous membranes and upper respiratory tract.
	Ingestion	May be harmful by ingestion.
	Skin	Causes skin irritation.
	Eyes	Causes eye irritation.
	Signs and Symptoms of Exposure	
	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.	
	Additional Information	
	RTECS	TZ6550000
12	ECOLOGICAL INFORMATION	
12.1	Toxicity	No data available
12.2	Persistence and degradability	No data available
12.3	Bioaccumulative 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	





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	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
	-	-	-
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		
	no data available		
16	OTHER INFORMATION		
	Further information		
	<p>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.</p> <p>Month of Creation : October 2013 Month of Revision : October 2016</p>		

