

**MATERIAL SAFETY DATA SHEET**  
**SODIUM BENZOATE**

**1 PRODUCT & COMPANY IDENTIFICATION**

<b>Product Name:</b>	Sodium Benzoate	<b>Supplier:</b>	ASES CHEMICAL WORKS.
<b>Synonyms:</b>	Antimol, Benzoate of soda, Sodium benzoic acid, Benzoate sodium	<b>Address:</b>	Brahm Bagh, Jalori Gate Jodhpur - 342001 Rajasthan-India
<b>Chemical Name:</b>	Benzoic acid, sodium salt	<b>Phone:</b>	+91-9636889954
<b>CAS Number:</b>	532-32-1	<b>Web:</b>	www.ases.in
<b>Product Form:</b>	Solid (Powder)	<b>Email :</b>	ecom@ases.in
<b>Product Use:</b>	Food, Beverage & Cosmetics.		

**2 HAZARDS IDENTIFICATION**

**Classification of the substance or mixture**

Eye irritation, (Category 2) H319: Causes serious eye irritation

**Adverse physicochemical, human health and environmental effects**

**Label elements :** Hazard Pictogram  Signal Word : Warning.

Hazard Statements	H319 - Causes serious eye irritation.
Precautionary Statements	P264 - Wash hands thoroughly after handling. P280 - Wear eye protection/ face protection. P305+P351+P338 IN EYES: Rinse cautiously with water for several minutes. P337 + P313 If eye irritation persists: Get medical advice/ attention.

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS-No.	EC-No.	Chemical Formula	Mol. Weight	Composition (%)
Caffeine Anhydrous	532-32-1	208-534-8	C <sub>6</sub> H <sub>5</sub> COONa	144.10 g/mol	<=100%

**Toxicological Ingredients:** Sodium benzoate: Oral (LD50): Acute: 4070 mg/kg [Rat], 1600 mg/kg [Mouse]. 2000 mg/kg[Rabbit]

**4 FIRST AID MEASURES**

<b>Eye:</b>	Check for and remove any contact lenses. Immediately flush eyes with plenty of water.
<b>Skin:</b>	Remove contaminated clothing. Drench affected area with water for at least 15 minutes.
<b>Inhalation:</b>	Remove to fresh air. If not, breathing, give artificial respiration. Get medical attention.
<b>Instigation:</b>	Wash out mouth with water. Do NOT induce vomiting. Seek medical attention.

**5 FIRE-FIGHTING MEASURES**

<b>Flammability of the Product:</b>	May be combustible at high temperature.
<b>Products of Combustion:</b>	Carbon oxides (CO, CO <sub>2</sub> ).
<b>Extinguishing media</b>	Water Foam, Carbon dioxide (CO <sub>2</sub> ), Dry powder. Avoid water jet.
<b>Fire hazard</b>	Slightly flammable to flammable in presence of heat. Non-flammable in presence of shocks.
<b>Explosion Hazards:</b>	Slightly explosive in presence of open flames and sparks.
<b>Advice for firefighters</b>	Wear self-contained breathing apparatus for firefighting if necessary.

**6 ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures:**

Keep locked up, keep away from heat, keep away from sources of ignition, Empty containers pose a fire risk, evaporate the residue under a flame hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation. wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label, avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents

**Environmental precautions:** Do not let product enter drains.

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### 7 HANDLING & STORAGE

**Handling:** Small/Large Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Storage:** Store in a well-ventilated area. Keep container tightly closed. Protect from moisture. Keep cool.

### 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit,

**Eye protection:** Chemical goggles or safety glasses.

**Personal protection:** Gloves. Protective goggles.

**Skin protection:** Protective clothing to minimize skin contact should be worn.

**Respiratory protection:** Use a properly fitted, air-purifying or air-fed respirator.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State :	Solid	Vapor Pressure :	Not applicable
Appearance :	White Crystalline powder.	Relative Vapor Density:	4.97 (Air = t)
Odor :	odourless	Relative Density :	1.15 at 20 °C
Taste:	Sweetish, astringent	Water solubility:	556 g/l - soluble
pH (aqueous solution):	ca.8 at 100 g/l at 20 °C	Log Pow :	-2.27
Melting Freezing Point :	>300°C (572°F)	Viscosity, Kinematic :	No data available
Boiling Point :	> 450 - < 475 °C at 1.013 hPa	Viscosity, Dynamic :	No data available
Flash Point :	>100 °C // Closed Cup	Explosive Properties :	No data available
Flammability (solid, gas) :	Non flammable	Oxidizing Properties :	None

### 10 STABILITY AND REACTIVITY

**Reactivity:** Hygroscopic; keep container tightly closed.

**Chemical Stability:** Stable under recommended storage conditions.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Excess heat, dust generation.

**Incompatible Materials:** Reactive with oxidizing agents.

**Hazardous Decomposition Products:** Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Sodium oxides.

### 11 TOXICOLOGICAL INFORMATION

**Acute toxicity:** Oral/ Inhalation/Dermal - No data available.

**Skin Corrosion/Irritation:** No data available

**Serious Eye Damage/Irritation:** Eyes – Rabbit Result: irritating - 24 h (OECD Test Guideline 405)

#### Mutagenicity:

Test Type	Species	Test System	Method	Result
Ames test		Escherichia coli/Salmonella typhimurium	OECD Test Guideline 471	negative
Mutagenicity: hromosome aberration.		Lungs		negative
Chromosome aberration test	Rat	Bone marrow	Bone marrow	negative

**Carcinogenicity:** No data available

**Reproductive toxicity:** No data available

**STOT(single/repeated) exposure:** No data available

**Aspiration hazard:** No data available

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#### 12 ECOLOGICAL INFORMATION

##### Ecotoxicity:

Toxicity to fish	flow-through test LC50	Pimephales promelas	484 mg/l-96h	(US-EPA)
Toxicity to daphnia	static test LC50	Daphnia magna	>100 mg/l-96h	Remarks: (ECHA)
Toxicity to algae	static test LC50	green algae	>100 mg/l-72 h	(OECD Test Guideline 201)
Toxicity to fish (Chronic toxicity)	semistatic test LC50	Danio rerio (zebra fish)	1.400-1.500mg/l-24 h	Remarks: (ECHA)

**Persistence and degradability:** Readily biodegradable.

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Results of PBT & vPvB assessment :** No data available

**Other adverse effects:** No data available

#### 13 DISPOSAL CONSIDERATIONS

**Disposal Product –** Dispose according to local, regional and national authority requirements.

#### 14 TRANSPORT INFORMATION

**US DOT Shipping Description (Land):** Not dangerous goods.

**IMO-IMDG Shipping Description (Sea):** Not dangerous goods.

**IATA Shipping Description (Air):** Not dangerous goods.

#### 15 REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture : -**

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

**Other regulations :-** Take note of Dir 94/33/EC on the protection of young people at work.

**Chemical Safety Assessment :-** For this product a chemical safety assessment was not carried out

#### 16 OTHER INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and ASES CHEMICAL WORKS assume no liability resulting from its use.