

Sodium sulphate

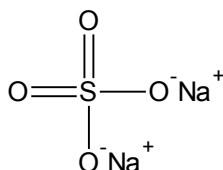
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Synonyms

Sodium sulfate; Sulfuric acid disodium salt; Dibasic sodium sulphate; Disodium monosulfate; Salt cake; G-salt; Glauber's salt

Chemical structure and identity



Molecular formula	Na ₂ SO ₄
Molecular weight	142.04
CAS number	7757-82-6
EINECS number	231-820-9
HS code	28331100

Specifications

Appearance	Visible white to cream coloured powder
Purity as Na ₂ SO ₄	99% minimum
Moisture (LOD)	0.5% maximum
Chloride content	0.2% maximum
pH of 10% solution	7.5 ± 1.0

Physical properties

Solubility in water	Soluble								
Sieve analysis	<table><thead><tr><th><u>Micron size</u></th><th><u>(%) Retain</u></th></tr></thead><tbody><tr><td>>250</td><td>0 to 5</td></tr><tr><td>205 to 105</td><td>40 to 70</td></tr><tr><td><105</td><td>35 to 65</td></tr></tbody></table>	<u>Micron size</u>	<u>(%) Retain</u>	>250	0 to 5	205 to 105	40 to 70	<105	35 to 65
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Description

Sodium sulphate is a visible white to cream coloured free flowing powder.

Applications

In cement, detergents, dyes, glass, metal, pulp and paper, soap and textile industries

Packaging

Sodium sulphate is available in 50 kg HDPE bags and 1,000 kg or 1,250 kg jumbo bags.

Shelf life

18 months from the date of manufacturing

Storage and handling

Keep containers tightly closed and store in a cool, dry and well-ventilated area. This product is not flammable. Avoid contact with eyes, skin or clothing. Always refer to the Safety Data Sheet (SDS) for detailed information on storage and handling.

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Safety

Wear protective gloves, a dust mask and goggles. Keep material away from foodstuffs, beverages and feed. Wash hands thoroughly after handling this product. Do not inhale its dust, smoke or mist. Always refer to the SDS for detailed information on safety.

First aid

Eye contact: Rinse eyes in open position for several minutes with plenty of water. Consult a physician immediately.

Skin contact: Immediately wash the affected area thoroughly with soap and water. Remove contaminated clothing.

Ingestion: Avoid ingestion as the product is harmful. Do not induce vomiting. Consult a physician immediately.

Inhalation: Avoid inhalation as the product is harmful. Shift the affected person to fresh air and keep at rest in a position comfortable for breathing. Consult a physician immediately on suspicion of intoxication.

Spills and disposal

In case of a spill, collect the spilled material mechanically and keep in a container for subsequent disposal. Avoid formation of dust. Do not allow the spilled material to enter sewers, surface or groundwater. Dispose of the contents | container(s) in accordance with local, regional, national or international regulations | guidelines, as applicable.

Contact

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