



POISON

KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Aqua Ammonia 23%

(17-0-0-0)

SI0021
Ammonia 210 g/L

INDUSTRIAL

GUARANTEED ANALYSIS

Nitrogen (N)	17.3% w/v
N as ammonium	17.3% w/v
Specific Gravity @ 20°C	0.91 kg/L
pH	13.0 to 14.0

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20 L



GENERAL USE INFORMATION

Pulp Mills:

The wastewater from Pulp and Paper Mills generally has a high content of soluble organic matter. This organic material causes a high biochemical oxygen demand (BOD) in these wastes. The BOD must be reduced to an acceptable level before the wastewater can be reused or discharged to a receiving body of water.

These wastewaters are typically rich in lignin and cellulose but poor in fixed nitrogen, resulting in the high carbon/nitrogen ratio typical of wood. Careful dosing of the raw effluent with fixed N and P prior to bio treatment is essential to speed decomposition. The commonly recommended ratio in the feed (raw effluent) is a 100:5:1 for bioavailable carbon (C) to nitrogen (N) to phosphorus (P).

Aqua Ammonia 23% is a high nitrogen product suitable for addition as a bioavailable nitrogen source.

pH adjustment:

Aqua Ammonia 23% can be used as an aid to neutralize acid wastewaters, ensuring they are suitable for further processing or discharge.

Wastewater entering a biological treatment process should have a pH typically within the range of 6 to 8.5, whilst wastewater to be discharged should have a pH in the range of pH 6 to 9.

In addition, the nitrification and denitrification processes in wastewater treatment tend to change the wastewater alkalinity. Aqua Ammonia 23% can be utilised to maintain the target residual alkalinity.

PRODUCT INFORMATION

PRODUCT STORAGE

Keep material in a shaded, cool, dry, well ventilated area. Store product in suitable containers made from material such as stainless steel, high density polyethylene and fibreglass. This product can be corrosive to material such as brass, copper, zinc or alloys of these metals. Clean equipment after application of Aqua Ammonia 23% thoroughly with clean fresh water. This product is recommended for use within 12 months from dispatch date.

WARNING & SAFETY INFORMATION

WARNING: Do not swallow. Fumes from this product may act as an irritant, use with adequate ventilation. Avoid inhalation and contact with the eyes and skin. Wear rubber gloves and appropriate eye protection when handling the product. See the product MSDS for further information - www.sltec.com.au

First Aid: For advice, contact a Poisons Information Centre (phone Australia 131 126) or a doctor. If swallowed, do NOT induce vomiting. If in eyes wash out immediately with water. If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

Warnings: Strongly Alkaline.
Safety Directions: Avoid contact with eyes. Avoid contact with skin. Avoid breathing vapour or spray mist.

Batch No. or Tank Number & Date:

Dispatch Date:

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