

# Product Description

Ammonium bisulfite (ABS) (65% Solution) is a transparent yellow or light green liquid possessing versatile reductive and sulfonating properties. ABS is used in a wide range of industrial applications, including:

- **Waste water treatment** - Removes Chlorine from waste water.
- **Reductive bleaching agent** - It reduces carbonyl and alcohol groups, which function as colorants of substances. It is used in bleaching mechanical paper pulp, cotton, wool and kaolin clay.
- **Preservative (antioxidant)** used in food and beverage processing industry
- **Reducing agent** in chemical manufacturing.
- **Alternative to sulfur dioxide** in sterilization of equipment.
- **Cyanide destruction** in precious metals mining - Gold mining tailings are treated with ABS where it reacts with the free cyanide to form non-toxic chemical compounds.
- **Oxygen scavenger** in drilling solutions for the oil and gas drilling industry

## Product Identification

CAS No. : 10192-30-0  
EINECS No. : 233-469-7  
Formula :  $\text{NH}_4\text{HSO}_3$   
Molecular Wt.: 99.10

## Typical Analysis

Assay (Wt. % ABS as $\text{NH}_4\text{HSO}_3$ )	63.4 - 67.0
Specific Gravity @25°C	1.365 - 1.390
Sulfate (%)	0.5 - 2.0
Full strength pH	4.7 - 5.6
Thiosulfates (Wt.%( $\text{NH}_4$ ) $2\text{S}_2\text{O}_3$ )	0.0 - 1.0

*Analysis Method used:* AA-ATS-05

## Production Facility

Beaumont Plant  
#1 Gulf States Rd  
P.O. Box 3486  
Beaumont, TX 77704

