



# Product Specification

cdhfinechemical.com

## AMMONIUM CARBONATE PURIFIED

PRODUCT CODE	027147
SYNONYMS	—
C.I. NO.	—
CASR NO.	10361-29-2
ATOMIC OR MOLECULAR FORMULA	NH <sub>4</sub> HCO <sub>3</sub> & NH <sub>2</sub> CO <sub>2</sub> NH <sub>4</sub>
ATOMIC OR MOLECULAR WEIGHT	157.13
PROPERTIES	Unstable in air, being converted into the bicarbonate. Strong odor of ammonia.

NH<sub>4</sub>HCO<sub>3</sub>& NH<sub>2</sub>CO<sub>2</sub>NH<sub>4</sub>

PARAMETER	LIMIT
Description	White translucent crystalline masses/ flakes /powder with a strong ammonical odour. It consists of ammonium hydrogen carbonate and ammonium carbamate in approximately in equimolecular proportions.
Solubility	10% solution in water is clear & colourless.
Ammonia (Acidimetric; NH <sub>3</sub> )	30 - 33%

### MAXIMUM LIMIT OF IMPURITIES

Chloride (Cl)	0.0035%
Sulphate (SO <sub>4</sub> )	0.005%
Iron (Fe)	0.001%
Heavy metals (Pb)	0.001%

Note(s) : Assay (if applicable) method mentioned.

### WARNING

**Hazard statements :** May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation.

### Precautionary statements

**Prevention:** Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. If eye irritation persists: Get medical advice/attention.

IMDG Code : --

UN No. : --

IATA : --

**Disposal:** Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water. The quantities greater than 10g should be dissolved in water and transferred to heavy metal waste drums for collection by specialist disposal company.

Hazard Pictogram(s) :



GHS07

Replace Date 26-Mar.-2026