



Product Specification

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n-AMYL ALCOHOL AR/ACS

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|------------------------------------|--|---|
| PRODUCT CODE | 457915 | |
| SYNONYMS | (n-Pentanol, Pentyl alcohol , 1-pentanol) | |
| C.I. NO. | N/A | |
| CASR NO. | (71-41-0) | |
| ATOMIC OR MOLECULAR FORMULA | C₅H₁₂O | CH₃(CH₂)₃CH₂OH |
| ATOMIC OR MOLECULAR WEIGHT | 88.15 | |
| PROPERTIES | Combustible | |

| PARAMETER | LIMIT |
|-----------------------|----------------------------|
| Description | Clear & colourless liquid. |
| Solubility | Miscible with methanol. |
| Identity (By FTIR) | Conform |
| Minimum assay (By GC) | 99.0% |

| MAXIMUM LIMIT OF IMPURITIES | |
|--|-------------|
| Free acid (CH ₃ COOH) | 0.005% |
| Aluminum (Al) | 0.00005% |
| Boron (B) | 0.000002% |
| Barium (Ba) | 0.00001% |
| Calcium (Ca) | 0.00005% |
| Cadmium (Cd) | 0.000005% |
| Cobalt (Co) | 0.000002% |
| Chromium (Cr) | 0.000002% |
| Copper (Cu) | 0.000002% |
| Iron (Fe) | 0.00001% |
| Magnesium (Mg) | 0.00001% |
| Manganese (Mn) | 0.000002% |
| Nickel (Ni) | 0.000002% |
| Lead (Pb) | 0.00001% |
| Tin (Sn) | 0.00001% |
| Zinc (Zn) | 0.00001% |
| Water (By KF) | 0.2% |
| Pentanoic aldehyde (GC) | 0.05% |
| Sub.darkened by H ₂ SO ₄ | Passes test |
| Residue on evaporation | 0.005% |

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



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| <p>WARNING</p> <p>HAZARD STATEMENTS: May cause respiratory irritation. Flammable liquid and vapour. Harmful if inhaled Harmful if swallowed. Causes skin irritation Causes serious eye irritation.</p> <p>PRECAUTIONARY STATEMENTS :</p> <p>Prevention: Wash thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only non-sparking tools. Ground/bond container and receiving equipment. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Keep container tightly closed. Use only outdoors or in a well ventilated area. Keep away from heat/sparks/open flame - No smoking. Use explosion-proof electrical/ventilating/lighting/equipment. Take precautionary measures against static discharge. Wear protective gloves and eye/face protection.</p> <p>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. Wear eye/face protection. If eye irritation persists, get medical advice/attention. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If skin irritation occurs, seek medical advice/attention. IF ON SKIN: Gently wash with plenty of soap and water. Specific treatment: refer to Label or MSDS. In case of fire, use foam for extinction. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. Remove/Take off immediately all contaminated clothing Wash/Decontaminate removed clothing before reuse. Call a POISON CENTER or doctor/physician if you feel unwell.</p> <p>Disposal: --</p> | <p>IMDG Code : - 3/III</p> <p>UN No. : - 1105</p> <p>IATA : - 3</p> |
| <p>Hazard Pictogram(s) :</p> <div style="display: flex; justify-content: center; align-items: center; gap: 20px;"><div style="text-align: center;"><p>GHS02</p></div><div style="text-align: center;"><p>GHS07</p></div></div> | |

Replace Date-30-Mar-2026