

PRAKASH

Chemicals Agencies



ILLUMINATION

Issue : CXXXI | Volume 131 | Date : 25th Aug, 2025

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world of chemistry*





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Food grade acetic acid must be used within prescribed concentration limits, meet strict purity standards, and be properly labelled to ensure consumer safety and regulatory compliance. It is approved globally for use in food processing, including pickles, sauces, bakery, and dairy products, provided it follows Good Manufacturing Practices and does not mislead consumers.

Acetic acid has been used for centuries to preserve food. Its antimicrobial properties create an environment where bacteria and fungi struggle to survive, slowing down spoilage and making food safer for longer periods. This is especially useful in hot and humid conditions where perishable items can go bad quickly.

The food industry uses acetic acid not just because it’s effective but also because it’s considered a “clean label” ingredient. That means consumers see it as natural and acceptable—especially when compared to artificial preservatives.

Aspect	Details
Regulatory Status	- Classified as GRAS (Generally Recognized as Safe) by FDA (USA). - Approved by EFSA (EU) and FSSAI (India). - Permitted as a food additive under the name E260 / INS 260.
Permissible Concentrations	- Pickles: Up to 3–4% acetic acid. - Sauces, dressings, bakery: Typically under 1%. - Usage must follow Good Manufacturing Practices (GMP).
Purity Standards	- Must meet food-grade purity (≥99.5% assay). - Impurities must be below: Arsenic < 0.2 ppm, Heavy metals < 0.5 ppm, Non-volatile residue within limit. - Produced per cGMP (current Good Manufacturing Practices).
Usage Restrictions	- Must not be used to mislead consumers (e.g., pretending it's vinegar). - Must meet food safety standards — no harmful contaminants. - Concentrations above 30% are corrosive and not safe for food use.
Safety Considerations	- Safe at approved levels. - High concentrations may cause skin or eye irritation. - Must be stored and handled correctly to avoid contamination or degradation.
Regulatory References	- FDA: 21 CFR § 184.1005 - EU: Regulation (EC) No 1333/2008 - India (FSSAI): Food Safety and Standards (Food Products Standards and Food Additives) Regulations, 2011



Mr. Mayur Sant
Manager (Marketing)
Editor for the Month

Our MD Mr. Dilip Shah, Vice President of Vadodara District Probation & After Care Association Children Home (Bal Gokulam) & Zonal Observation Home, honoured Mr. Vanrajsinh J. Jebalia I/c.Dy.Charity Commissioner, Vadodara District during their 79th Independence Day celebration.



Our MD, Mr. Dilip Shah, was the Guest of Honour at the Grand Opening of the new Vadodara Branch of “cnvmoney - A Wealth Management Group”



Our MD Mr. Dilip Shah , Trustee of Arpan Charitable trust celebrated 79th Independence day with Special Children having various disabilities



23rd Anniversary Celebration with Inspiring Speeches, Fun Activities, and Employee Recognition at Prakash Chemicals Agencies



Mr. Dilip Pal

Mr. Nikunj Bariya

Mr. Dhaval Desai

Mr. Rahul Khuman

Raksha Bandhan Celebration with Rakhi Tying, Chocolate Exchange, and Creative Drawing Activity by Children at Our Adopted Anganwadi Centers



International Youth Day Celebration with a Special Session on Artificial Intelligence by Mr. Nitin Rohit at C.K. Prajapati School, Gorwa



Independence Day Celebration with Cultural Performances and Patriotic Activities by Children at Our Adopted Anganwadi Centers



Krishna Janmashtami Celebration with Cultural Performances and Traditional Matki Fod by Children at Our Adopted Anganwadi Centers



Sports Day Celebration with Fun Games and Joyful Activities for Children at Our Adopted Anganwadi Centers by Prakash Chemicals





- Mumbai-based Somaiya Vidyavihar University (SVU), in collaboration with Frontier Laboratories Ltd of Japan, has set up a Centre of Excellence in Analytical Pyrolysis (CoE-AnPy).
- The Gujarat State Fertilizers and Chemicals Ltd. (GSFC) – a State Government owned entity that set up India's first Di-Ammonium Phosphate (DAP) fertiliser complex on west coast of Gujarat.
- Ethane's role as a preferred petrochemical feed stock is rising, but a single country source is a new vulnerability for India. Once considered a secondary byproduct of natural gas production, ethane has today evolved into a globally traded commodity, and a preferred feedstock for ethylene producers.
- Hyderabad based Sigachi Industries, a leading manufacturer of Pharmaceutical excipients, APs and Speciality Ingredients, has announced the initiation of civil works for its next phase of capacity expansion - a 12,000 mtpa Microcrystal line cellulose (MCC) Project at its Dahej SEZ Unit in Gujarat.
- Sigachi begins civil work on MCC capacity expansion at Dahej SEZ - The civil works is for the company's next phase of capacity expansion - a 12,000-mtpa Microcrystalline Cellulose (MCC) project at its Dahej SEZ unit in Gujarat
- Shivtek Spechemi Industries Ltd., a Gurugram-based speciality chemicals manufacturer and a part of the Shiva Group of Industries, has signed a Memorandum of Understanding (MoU) with Bodal Chemicals Ltd., for acquiring approximately 8 acres of land from Bodal Chemicals in Rajpura, Punjab, for establishing a new speciality chemicals manufacturing facility.
- Henkel Adhesive Technologies India has opened a new automotive warehouse in Chakan, Pune, strategically located in one of India's key automotive hubs.
- Sumitomo Chemical has constructed and begun operation of a pilot facility at the Sodegaura site of its Chiba Works for its new proprietary process to produce propylene directly from ethanol.
- Chemical industry experts call for increased investments in R&D, innovation, and long-term strategic planning. The critical role of the chemical industry in driving India's economic growth was emphasised by leading figures from the industry and academia who converged at the Godrej Industries Group's Mumbai headquarters for 'National Chemistry Day Summit'.
- Celcius launches specialised logistics arm for pharma sector - In its initial phase, Celcius will invest Rs. 50-crore to create a dedicated pharma fleet and support infrastructure, with a goal of achieving Rs. 100-crore in Annual Recurring Revenue (ARR).
- Indian caustic soda major TGV SRAAC Ltd. (formerly Sree Rayalaseema Alkalies and Allied Chemicals Ltd.), has commissioned thyssenkrupp nucera to expand its chlor-alkali plants in Kurnool, Andhra Pradesh.
- BN Holdings Ltd., a parent company of Mumbai-based edible oils supplier, BN Group, has announced its entry into the speciality and oleochemicals sector, through its subsidiary, Epitome Industries India Ltd.
- Manali Petrochemicals Ltd. (MPL), a part of AM International, Singapore, has expanded its propylene glycol. The newly established facility will commence operations upon receipt of the Consent to Operate (CTO) from the Tamil Nadu State Pollution Control Board, the company said in a stock market filing.
- Moglix, a B2B E-commerce and supply chain technology company, has announced that its manufacturing arm, DRG Industries, has opened a green field bitumen processing facility in Kosi Kalan, Mathura.

In the fast-paced City of Bengaluru, lived a young Executive named Adil who was always in a rush. Every minute of his day was scheduled—Meetings, Calls, Emails, and Deadlines. He prided himself on being productive, efficient, and goal-driven. But in his pursuit of success, he had little time for anything—or anyone—else.

One rainy evening, as he rushed out of his office building, he noticed an old security guard sitting quietly at the gate. The man was drenched, shivering slightly, yet smiling at every person who passed by. Adil glanced at him but didn't stop. He was already late for a business dinner.

The next day, the same thing happened. Again, Adil noticed the guard smiling and nodding politely at everyone, even though no one paid him much attention. Something about the man's calm presence in the chaos began to stir something inside him.

On the third evening, Adil finally stopped for a moment. "You're always smiling," he said. "Don't you ever get tired standing here all day?"

The old man replied warmly, "Sir, I stand here 12 hours a day, sometimes in rain or sun, but I always find one minute to smile, one minute to greet someone, and one minute to be thankful. I may not be rich, but I'm at peace."

Adil was stunned. For years, he had chased minutes on his calendar, but here was a man who valued one minute for kindness, connection, and gratitude.

That night, Adil skipped his dinner meeting. He went home, unplugged from his phone, and simply spent time talking to his parents for the first time in months.

From then on, every day, he made it a habit to pause for one minute—to smile, to listen, or just to breathe. He still worked hard, but he was no longer just racing toward success—he was learning to live.

MORAL OF THE STORY

"One minute of kindness can bring more peace than an hour of achievement. Never underestimate the power of a small pause—it may change a day, or even a life."



Encourage Purpose Driven Work

In today's fast-paced and ever-evolving work environment, employees seek more than just a paycheck—they crave purpose, meaning, and a sense of contribution. Traditional motivators like salary and job security are no longer sufficient to keep people fully engaged. Modern professionals, especially younger generations, are increasingly driven by the desire to do meaningful work that aligns with their personal values and beliefs.

Purpose-driven work goes beyond completing tasks or meeting deadlines. It involves understanding how one's role contributes to the broader mission of the Organization, Society, or even the world. When employees feel that their work creates a positive impact—whether by helping others, solving real-world problems, or advancing a worthy cause—they experience deeper job satisfaction and stronger emotional investment in their roles.

Organizations that promote a culture of purpose-driven work tend to see higher levels of motivation, creativity, and loyalty among their workforce. This not only nurtures individual growth and well-being but also leads to improved collaboration, productivity, and overall organizational performance. In essence, purpose becomes the fuel that drives people to bring their best selves to work every day.

Creating a purpose-driven workplace begins with clear communication of the organization's mission, vision, and values. Leaders should regularly articulate how each role contributes to broader objectives. This helps employees to see the bigger picture and understand the significance of their work.

Encouraging employees to pursue projects that align with their passions or social causes can also foster a deeper sense of purpose. Organizations can support this by offering volunteer opportunities, social impact initiatives, and internal programs focused on sustainability and community service.

Managers play a crucial role by recognizing and celebrating efforts that contribute to meaningful outcomes. Regular feedback, mentorship, and personal development plans will help employees align their day-to-day tasks with their long-term purpose. When people feel their work is valued and impactful, they are more likely to stay committed and loyal to the Organization.

Fostering a culture of purpose-driven work is not just an HR strategy—it's a leadership imperative. When employees connect their personal values to their professional roles, they become more inspired, productive, and resilient. By encouraging purpose in the workplace, organizations not only enhance employee well-being but also drive innovation, retention, and long-term success. In a world where meaning matters more than ever, purpose-driven work is the key to unlocking human potential.





PUZZLE YOUR MIND

Q1- What is the meaning of greenlist?

Q2- Find out the value of Rectangle

$$\bigcirc + \triangle = 15$$

$$\square + \square = 10$$

$$\bigcirc + \square = 12$$

Q3- Identify the Emoji :



Q4- Name the largest Ocean on earth :

Q5- $22 + 4 = 52$
 $33 + 6 = 83$
 $44 + 5 = 114$
 $66 + 9 = 166$
 $89 + 2 = ?$

Answer to
the Puzzles of
July 2025

Q. 1) 18

Q. 2) Book Keeper/Book Keeping

Q. 3) Discovered or not it's always the
biggest Ocean in the world

Q. 4) .in

Q. 5) Pakistan

“*The nature of life is such that
if you allow it to flow,
life is a beautiful experience.
If you hold back, it becomes misery*”

Our Network



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