



Shri Shivaji Science College,
Nagpur, India



Shri Shivaji Education Society Amaravti's

Science College

CHEM CLEAN



REUSE
REDUCE
RECYCLE

Chem Clean floor cleaner is useful for cleaning floor surface, tiles, and household premises. It turns the surface shinier and fresh & it creates a hygienic atmosphere with a long-lasting -fresh fragrance.

Also in fragrance

Rose/Jasmine/Lemon/Mogra/Lavender/ Sandalwood / Neem / Lemongrass



Shri Shivaji Education Society Amaravti's

Science College

Congress Nagar, Nagpur - 440012



Department of Chemistry & Shivaji Science Innovation and Incubation Centre

Empower Yourself: Making Chem Clean Floor Cleaner

Chem Clean Floor Cleaner Concentrate is an innovative cleaning solution developed in the Department of Chemistry by Assistant Professor Sarang Dhote, in collaboration with the Shivaji Science Innovation and Incubation Centre. This concentrate is composed of various chemicals including Pine oil, Emulsifier, Stabilizer, Demineralised Water, Colour, and Perfume. When 1 liter of the concentrate is diluted, it produces approximately 40 liters of floor cleaner. The product is available in eight different fragrances, such as Sandalwood, Rose, Jasmine, and Lemon.

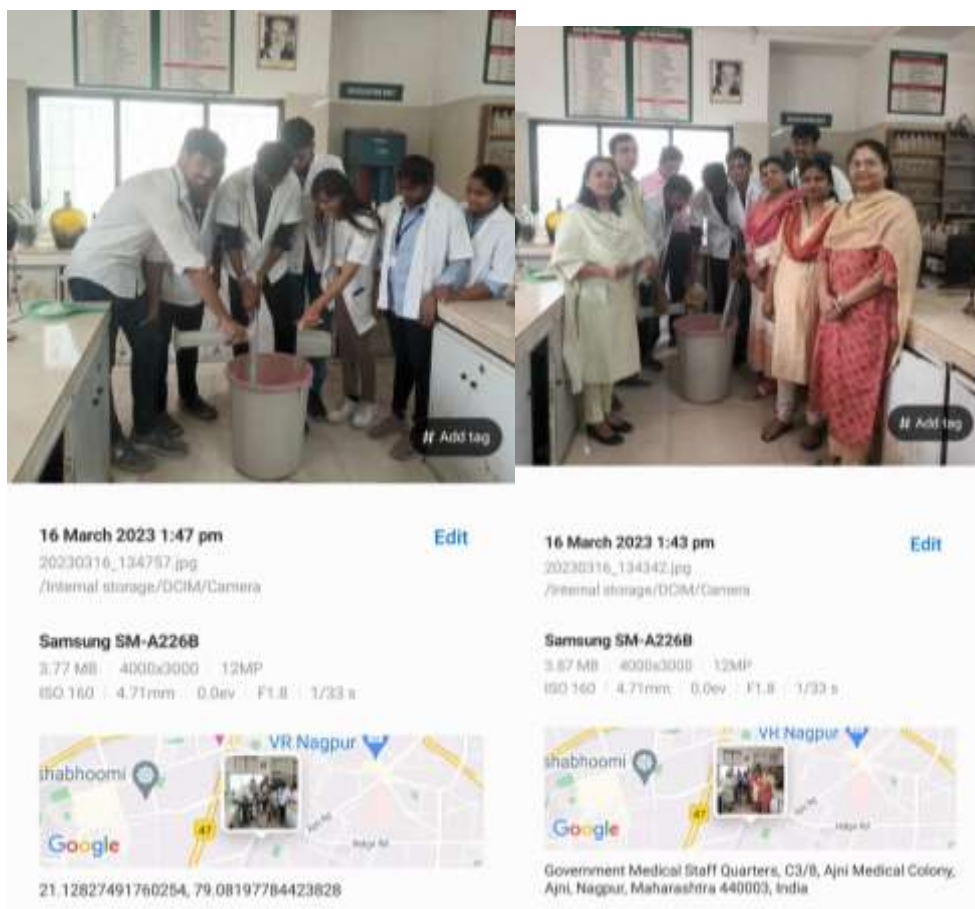


Figure 1- Students and Faculties preparing Chem Clean Floor Cleaner from Concentrate.

As part of an outreach program, diluted Chem Clean Floor Cleaner is distributed free of cost to NMC School in Dattatray Nagar. The Department of Chemistry also plans to extend this distribution to other NMC schools, hospitals, and slum areas under the Swachh Bharat

Scheme. Additionally, the Chem Clean Floor Cleaner is available to college staff and students at an affordable price of 30. Empty bottles can be refilled with the diluted floor cleaner at a discounted rate as part of a recycling and reuse initiative aimed at reducing plastic pollution.

This product represents a significant step towards promoting sustainability and environmental friendliness. The effort to distribute it to various institutions and communities underscores a commendable commitment to enhancing hygiene and cleanliness in society. During a recent training session, approximately 31 students participated, learning the process of making the floor cleaner and gaining valuable skills for self-employment.



Figure 2- Inauguration of Chem-Clean Floor Cleaner by Prof. M. P. Dhore Principal Shivaji Science College, Nagpur @21st March 2023



Figure 3- Distribution of Chem Clean Floor Cleaner to NMC School Dattatray Nagar Nagpur



Shri Shivaji Education Society Amravati's
Science College Nagpur

Department of Chemistry & Shivaji Science Innovation and Incubation Centre

Chem Clean Floor Cleaner Concentrate is a solution made in the Department of Chemistry by Sarang Dhote, an Assistant Professor In Collaboration with Shivaji Science Innovation and Incubation Centre. It is composed of various chemicals such as Pine oil, Emulsifier, Stabilizer, Demineralised Water, Colour, and Perfume. When 1 liter of the concentrate is diluted, it can make around 40 liters of floor cleaner. This product comes in 8 different fragrances, including Sandalwood, Rose, Jasmine, and Lemon. Training was given to the following students.

Sarang Dhote
16/03/2023

- | | | | |
|------------------------|------------------|---------------------|-----------------|
| 1) Devyani R. walke | <i>Devyani</i> | 18) Suhani fulzele | <i>Suhani</i> |
| 2) Avanti Zaidgaonkar | <i>Avanti</i> | 19) Gayatri Chodkar | <i>Gayatri</i> |
| 3) Minal Bisen | <i>Minal</i> | 20) Manjisi Dhote | <i>Manjisi</i> |
| 4) Zarika Raut | <i>Zarika</i> | 21) Anusadha Bhagat | <i>Anusadha</i> |
| 5) Yash. Dorle | <i>Yash</i> | 22) Manjisi Dhote | <i>Manjisi</i> |
| 6) Sneha M. Bhengade | <i>Sneha</i> | 23) Anus | <i>Anus</i> |
| 7) Rohini Deshmukh | <i>Rohini</i> | 24) Anus | <i>Anus</i> |
| 8) Raven Dutta | <i>Raven</i> | 25) Anus | <i>Anus</i> |
| 9) Jayesh Nawar | <i>Jayesh</i> | 26) Anus | <i>Anus</i> |
| 10) Khushi Alone | <i>Khushi</i> | 27) Anus | <i>Anus</i> |
| 11) ASHWINI NARHATE | <i>Ashwini</i> | 28) Anus | <i>Anus</i> |
| 12) Aliya Alam | <i>Aliya</i> | 29) Anus | <i>Anus</i> |
| 13) Tanushree Zuzunkar | <i>Tanushree</i> | 30) Anus | <i>Anus</i> |
| 14) Solani Jaiswal | <i>Solani</i> | 31) Anus | <i>Anus</i> |
| 15) Payal R. Chotap | <i>Payal</i> | 32) Anus | <i>Anus</i> |
| 16) Vanushka Ghose | <i>Vanushka</i> | 33) Anus | <i>Anus</i> |
| 17) Chanya Kalane | <i>Chanya</i> | | |

Sarang Dhote
Assistant Professor
Department of Chemistry
S.S.E.S.A.'s Science College
Nagpur



Sarang Dhote
Professor & Head
Department of Chemistry,
Shri Shivaji Science College,
Congress Nagar, Nagpur.