

Our Reference: PLRD/AED/01/2025

3 April 2025

Dear Sir/Mdm

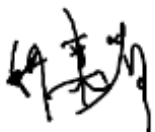
REGULATIONS ON FERTILISER SOLUTIONS CONTAINING SUBSTANCES LISTED AS EXPLOSIVE PRECURSORS

During a recent enforcement check, Police found horticultural fertiliser solutions containing Potassium Nitrate concentrations of between 5% to 15%, which exceeds the permitted limits for exemption under the Arms and Explosives Act 1913. Such fertiliser solutions are commonly used in the industry, such as in specialised orchid fertilisers, bloom enhancers and foliage growth solutions. Potassium Nitrate is a regulated Explosive Precursor, and a licence is required for import, possession, use, etc, when its concentration exceeds 5% by weight, either alone or in combination with Sodium Nitrate.

2. The list of Explosive Precursors is specified in the Second Schedule of Arms & Explosives Act and is attached at Annex A. Businesses should review the Safety Data Sheets of your products, to check the composition and information on the ingredients in these products. If any of your products contain any of the substances listed as Explosive Precursors and do not meet the exemption concentrations, you require a licence to import, possess or deal with such products.

3. Non-compliance with the Arms and Explosives Act 1913 is a serious offence and may result in criminal prosecution.

4. For detailed information on licensing requirements and application procedures, please visit the SPF Arms & Explosives website at <https://www.police.gov.sg/e-Services/Police-Licences/Overview-of-Gun-Explosive-Weapon-Licences/Information-on-Explosive-Precursor-Licence-Matters>. If you need further clarification, please contact us at <https://www.go.gov.sg/PLRD> or Florence_Koh@spf.gov.sg. Thank you.



**FLORENCE KOH
OC COMPLIANCE
ARMS AND EXPLOSIVES DIVISION
POLICE LICENSING & REGULATORY DEPARTMENT**



Annex A

LIST OF REGULATED EXPLOSIVE PRECURSORS

The following are the explosive precursor regulated under the Arms & Explosives Act:

| <u>Explosive Precursors</u> | <u>Exclusions</u> |
|------------------------------------|---|
| 1 Ammonium nitrate | a. aqueous solutions containing less than 60% weight in weight of ammonium nitrate b. solid mixtures where nitrogen content from ammonium nitrate is less than 28% by weight |
| 2 Ammonium perchlorate | - |
| 3 Barium nitrate | Preparations and solutions containing less than 10% weight in weight of barium nitrate |
| 4 Guanidine nitrate | - |
| 5 Hydrogen peroxide | Preparations and solutions containing not more than 20% weight in weight of hydrogen peroxide |
| 6 Potassium chlorate | - |
| 7 Potassium nitrate | Preparations and solutions containing less than 5% weight in weight of potassium nitrate or a combination of both potassium nitrate and sodium nitrate |
| 8 Potassium nitrite | Aqueous solutions containing less than 5% weight in weight of potassium nitrite |
| 9 Potassium perchlorate | - |
| 10 Sodium chlorate | - |
| 11 Sodium nitrate | Preparations and solutions containing less than 5% weight in weight of sodium nitrate or a combination of both sodium nitrate and potassium nitrate |
| 12 Sodium nitrite | Aqueous solutions containing less than 5% weight in weight of sodium nitrite |
| 13 Sodium perchlorate | - |
| 14 Perchloric acid | - |
| 15 Tetranitromethane | - |

Note: The above list is extracted from the Arms and Explosives Act 1913. Please refer to the Act for the full legal definition and requirements.