

NERALIT[®]

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Spolana

Spolana is one of the largest chemical manufacturing companies in the Czech Republic with nearly one hundred and twenty years of tradition. The Company headquarters is in Neratovice; production plant complex with an area of 260 hectares is located north of the capital Prague. The Company currently employs more than 700 employees.

Spolana is the only Czech manufacturer of PVC and caprolactam and produces also sodium hydroxide and ammonium sulphate.

Since 2016 **Spolana has been owned by Unipetrol Group.**

NERALIT®

BASIC INFORMATION

SUSPENSION POLYVINYL CHLORIDE (PVC)

Polyvinylchlorid Neralit is produced by suspension polymerization of vinyl chloride in an aqueous medium in the presence of catalysts and suspension stabilizers. The resulting product is fine white, well-pouring powder consisting of grains with narrow particle size distribution. Properties of suspension **PVC Neralit** – powder are dependent on the ingredients used in polymerization, on the polymerization temperature regime, on the method and intensity of mixing the suspension and on other various factors involved in the production.

Suspension PVC Neralit is shipped in powder form to processors then adjust it for processing with additives on their own mixing - or more precisely - pelletizing equipment. Individual types of Neralit are suitable for producing a wide range of products – from hard profiles, sheets, pipes and films (foils), then electrical insulation and drainage tubes, various technical parts and packaging; to hoses, profiles, films (foils), footwear materials and cable insulation. Neralit is available in five different versions with numerical designation **581, 601, 652 and 682**; their properties and uses are described on the following pages of this product brochure.

NERALIT® is a trademark of **Spolana Neratovice**.

NERALIT® is fine white powder, flavourless and odourless, and physiologically inert. **NERALIT®** is stable when exposed to acids, alkalis, alcohols and aliphatic hydrocarbons. It is soluble in chlorinated hydrocarbons and in some ketones. It does not dissolve in water and in many organic solvents.

Thermal decomposition of **NERALIT®** results in creation of toxic products, especially hydrogen chloride and carbon oxides (and possibly also of other toxic gases, such as phosgene).

NERALIT® is not classified as a hazardous substance.

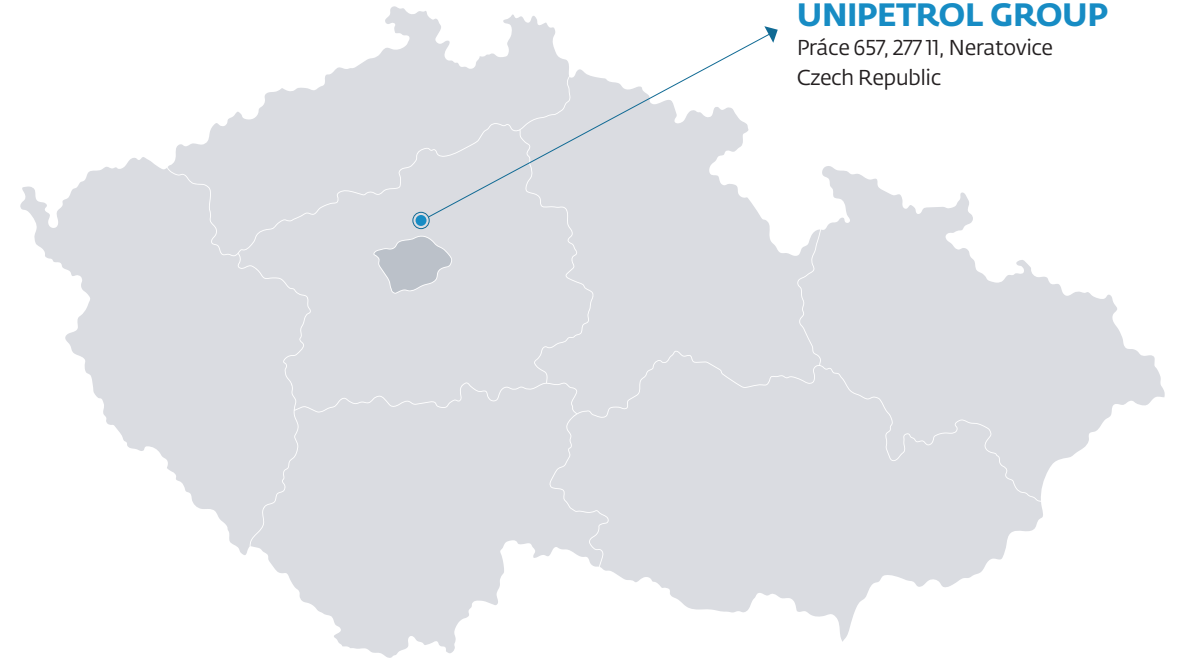
When handling or working with **NERALIT®**, the occupational health and safety regulations stated in Chapter VI of the corresponding company standards and on the safety sheet have to be always observed. **NERALIT®** is made in accordance with the valid technological, fire and safety documentation. When using the suspension polyvinyl chloride for products that come into contact with food, the polyvinyl chloride must comply with the hygienic requirements specified for products that come into contact with food pursuant to the valid hygienic regulation issued by the Ministry of Health (see the valid certificate).



UNIPETROL RPA CONTACTS

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