

Spolana
ORLEN Unipetrol Group

 **ORLEN** Unipetrol

 **NERALIT®**

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Spolana

ORLEN Unipetrol Group

Spolana is one of the largest chemical manufacturing companies in the Czech Republic and has nearly one hundred and twenty years of tradition. The company's headquarters is in Neratovice, and its production plant complex, which covers 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. The company also produces sodium hydroxide and ammonium sulphate.

Spolana has been owned by ORLEN Unipetrol Group since 2016.

NERALIT®

BASIC INFORMATION

POLYVINYL CHLORIDE (PVC) SUSPENSION

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

Neralit PVC suspension is shipped in powder form to processors and then combined with additives for processing on pelletizing equipment. Individual types of Neralit are suitable for producing a wide range of products, e.g., hard and other profiles, sheets, pipes and films (foils), electrical insulation and drainage tubes, various technical parts and packaging, hoses, footwear materials, and cable insulation. Neralit is available in five different versions designated **581**, **601**, **652** and **682**. The properties and uses of each version are described on the following pages of this product brochure.

NERALIT® is a trademark of **Spolana Neratovice**. **NERALIT®** is a 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 some ketones. It does not dissolve in water and many organic solvents.

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

NERALIT® is not classified as a hazardous substance.

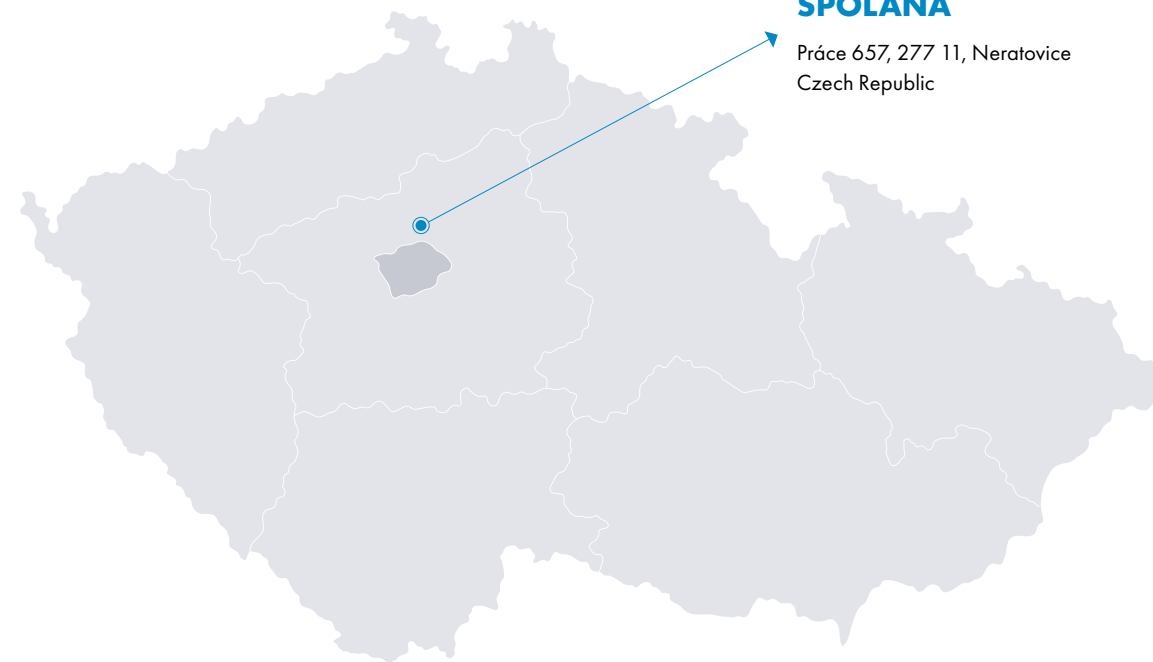
When handling or working with **NERALIT®**, the occupational health and safety regulations stated in Chapter VI of the corresponding company standards and safety sheet must be observed. **NERALIT®** is made in accordance with the valid technological, fire and safety documentation. For use with products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



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