Phosphorus sulfochloride (PSCI3)
Plastic Additives / Intermediates

Description
Phosphorus sulfochloride is used in the chemical industry to manufacture thiophosphoric acid ester derivatives, which are used as insecticides.

Chemical composition
Phosphorus sulfochloride (PSCI₃)

CAS Registry Number
3982-91-0

Typical properties
Appearance: clear, colourless liquid with a pungent odour
PSCI₃ content: > 98 %
PCI₃ + POCl₃ content: < 2.0 %
Distillation residue: < 0.3 %
Viscosity at 25°C: 1.017 mPa·s
Density at 20°C: 1.67 g/cm³

Storage
In its original packaging with moisture excluded, phosphorus sulfochloride can be stored for minimum 24 months. If only part of the contents is removed, a subsequent loss in quality in the rest must be expected due to the effect of atmospheric moisture. It is therefore preferable to use up the product immediately or transfer it to a storage tank.

Product safety
Relevant safety data and references as well as possibly necessary warning labels are to be found in safety data sheet.
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