

Materials compatibility with peroxyacetic acid solutions up to 17 %

General rule: Assume incompatibility unless otherwise established.

Material	Rating @ 25°C	Comments
Stainless steel (304L, 316, 316L, 316Ti) Aluminium 99.5 % Mild steel Copper / brass All other metals	A A/B C C C	see notes below slight pitting, see notes below general corrosion incompatible incompatible unless tests prove otherwise
ABS Acrylonitrile butadiene Butyl rubber Chloroprene EPDM Ethylene propylene rubber Fluoroelastomer (VITON®) Hypalon Natural rubber Neoprene Nitrile rubber Polyethylene Polyphenylene sulphide Polypropylene PTFE PVC PVDF Silicone rubber Styrene butadiene	C C C C B C C C B B B A B A B C	softened, tacky performance varies with grade blistering service life depends on temperature and grade slight cracking at edges cracking on bending bleached and slightly rigid

Notes: • Ratings are subject to suitable fabrication, pickling and passivation by Solvay approved methods.

Ratings:

- A. Recommended material having acceptable corrosion rates/rates of degradation and minimal effects on peroxyacetic acid solution stability.
- B. Material has limited resistance to peroxyacetic acid solution or requires further testing.
- C. Material is considered to be unsuitable for use with peroxyacetic acid solution.

For further information or detailed technical documentation, please contact your local Solvay Interox office. (See the complete list of addresses on the opposite page).

© 1999, Solvay S.A.

Responsible editor: Solvay S.A. Photography: Solvay, Y. Glavie, ARGO Concept and creation: ARGO N.V., Belgium Printed in Belgium

"All information in this document is deemed to be accurate by Solvay at the time of going into press. It is given in good faith. All regulations, at the national or local level, regarding safety and health in the work place and environmental protection are always to be applied but Solvay disclaims liability for any failure in this document to comply with the above. Freedom of use under existing patents or other intellectual property rights must be duly considered before use."

[•] Peroxyacetic acid solutions may be destabilised by materials rated as A after protracted periods of continuous contact at elevated temperatures e.g. > 3 months at ≥ 35°C.