

Technical Bulletin

HUNTSMAN

JEFFSOL[®] ALKYLENE CARBONATES In Degreaser Formulations

JEFFSOL[®] Alkylene Carbonates find utility in numerous cleaning applications. One such application is in degreaser applications. There are many types of degreasers on the market today, and there is a trend in the market place to move toward safer alternatives. One can formulate a tub/vat soaking degreaser with JEFFSOL[®] Alkylene Carbonates, a glycol ether, Exxon's Exxate[™] 900 and an aliphatic solvent such as Naphthene[™], Shell's Cypar[®], or Exxon/Mobile's Isopa[®] solvents.

JEFFSOL[®] Alkylene Carbonates have very low toxicity, low color, low odor, low VOC and are environmentally friendly. As a matter of fact, JEFFSOL[®] Propylene Carbonate is widely used in the personal care industry. JEFFSOL[®] Alkylene Carbonates also have high flash points. All of these characteristics make JEFFSOL[®] Alkylene Carbonates a favorable, environmentally friendly solvent in many applications.

The Table below illustrates a few starting formulations developed by Huntsman Corporation. Huntsman Corporation has a technical staff devoted to applications research.

DEGREASER FORMULATIONS (PATENT PENDING)				
JEFFSOL [®] PC/BC 50/50	JEFFSOL [®] PC/BC 70/30	Exxate [™] 900	PB	Naphthene [™]
0.00	11.66	0.00	39.73	48.60
0.00	25.06	54.14	0.00	20.80
0.00	39.05	44.76	0.00	16.19
44.40	0.00	0.00	55.60	0.00

(PB = propylene glycol butyl ether)

(Naphthene is a aliphatic solvent produced by Huntsman Europe.

Shell's Cypar[®] or Exxon/Mobile's Isopar[®] solvents may be substituted)

Note: PC/BC are blends of JEFFSOL[®] Propylene Carbonate and JEFFSOL[®] Butylene Carbonate. These blends are not commercially available at this time but may be prepared easily by adding in the correct ratios of product.

Please note that the formulations listed are only starting formulations and further formulation may be necessary to optimize.

Huntsman also offers a complete line of amines, glycols and anionic surfactants. Contact your local Huntsman Representative for more information.

All formulations and technology listed above is patent pending.

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