COFRA
BORN TO WORK
the italian brand

BOOTS CHEMICAL CHART

COFRA boasts one of the most advanced laboratories in the safety world. Within its walls, continuous quality checks on materials are conducted and tests on all components are carried out, with particular attention to their features in terms of mechanics, hydrolysis and resistance to aggressive agents. The COFRA BOOTS compound is the result of an in-depth research and a specialized know-how and is able to satisfy any demand of work environments.

HYDROCARBONS (oils and solvents)	THERMIC BOOTS OUTSOLE	THERMIC BOOTS BOOTLEG	SAFEST BOOTS	SUPERLIGHT	NI-BOOTS
Turpentine	X	1	1	1	2
ASTM 1 OIL	3	3	3	3	1
ASTM 2 OIL	3	2	1	1	X
ASTM 3 OIL	3	3	3	3	1
Benzene	X	X	X	X	X
Butane	3	3	2	2	X
Kerosene (domestic)	3	3	2	2	1
Cyclohexane	3	3	3	3	1
Chloroform	X	X	X	X	X
Benzyl Chloride	1	X	X	X	X
Methylene Chloride	X	X	X	X	X
Hexane	3	2	2	2	1
Diesel oil (cracking)	3	3	2	2	X
Diesel oil (SR)	3	3	3	3	2
Grease (all kinds)	3	3	3	3	2
Isoctane	3	2	2	2	1
Methyl Chloride	1	X	X	X	1
Oil mixture	3	3	3	3	2
Nitrobenzene	X	X	X	X	X
Animal oil	3	3	3	3	3
Coconut oil	3	3	2	2	3
Cod-liver oil	3	3	3	3	3
Linseed oil	X	3	2	2	1
Corn oil	3	3	3	3	3
Olive oil	3	3	2	2	3
Pine oil	2	2	2	2	3
Castor oil	3	3	2	2	3
Cottonseed oil	3	3	3	3	3
Silicone oil	3	3	3	3	3
Lard oil (+158 °F)	3	3	2	2	2
Hydraulic oil	3	3	3	3	2
Mineral oil	3	3	2	2	1
Vegetable oil	1	3	2	2	2
Perchlorethylene	3	1	X	X	2
Propane	3	2	2	2	X
Beef tallow (+158 °F)	X	3	3	3	3
Carbon tetrachloride	X	1	1	1	2
Toluene	X	1	X	X	X
Trychlorethylene	X	1	X	X	1
Xilene	X	X	X	X	X

INORGANIC ACIDS	THERMIC BOOTS OUTSOLE	THERMIC BOOTS BOOTLEG	SAFEST BOOTS	SUPERLIGHT	NI-BOOTS
Bromidric acid	1	1	1	1	1
Carbonic acid	3	3	2	2	3
Hydrochloric acid conc.	1	1	1	1	3
Hydrofluoric acid	1	1	1	1	2
Phosphoric acid	1	1	2	2	2
Nitric acid 10%	1	2	1	1	3
Nitric acid conc.	X	X	X	X	1
Perchloric acid	1	1	X	X	1
Hydrogen sulphide	2	2	1	1	2
Sulphuric acid 50%	1	1	1	1	1
Sulphuric acid conc.	X	X	X	X	X
Chlorine water	2	2	1	1	2

MIXTURES	THERMIC BOOTS OUTSOLE	THERMIC BOOTS BOOTLEG	SAFEST BOOTS	SUPERLIGHT	NI-BOOTS
Sea water	3	3	3	3	3
Acrylonitrile	1	1	1	1	1
Starch	3	3	3	3	3
Aniline	X	X	X	X	X
Butter (+158 °F)	3	3	2	2	2
Milk butter	3	3	3	3	3
Chlorobenzene	X	X	X	X	X
Chlorophenol	2	1	1	1	2
Cresol	2	1	X	X	1
Dibenzylether	2	2	1	1	2
Dichlorobenzene	X	X	X	X	X
Ethylether	3	2	2	2	3
Sodium hypochlorite	1	1	1	1	1
Milk	3	2	1	1	3
Monoethanolamine	2	2	1	1	2
Morpholine	X	X	X	X	X
Hydrogen peroxide	3	3	2	2	3
Soap	3	3	3	3	3
Paint remover	X	X	X	X	X

ALCOHOLS	THERMIC BOOTS OUTSOLE	THERMIC BOOTS BOOTLEG	SAFEST BOOTS	SUPERLIGHT	NI-BOOTS
Amyl alcohol	2	2	1	1	1
Benzyl alcohol	2	1	1	1	1
Butyl alcohol	2	2	1	1	1
Ethyl alcohol	3	1	1	1	3
Methyl alcohol	3	2	1	1	2
Octyl alcohol	3	2	1	1	1
Propyl alcohol	3	2	1	1	3
Diacetone alcohol	2	1	1	1	1
Glycerine	3	3	3	3	3
Diethanolamine	3	3	2	2	3

ORGANIC ACIDS	THERMIC BOOTS OUTSOLE	THERMIC BOOTS BOOTLEG	SAFEST BOOTS	SUPERLIGHT	NI-BOOTS
Acetic acid	2	1	1	1	2
Boric acid	3	3	2	2	3
Citric acid	3	3	3	3	3
Carbolic acid	2	1	1	1	1
Formic acid	3	2	1	1	2
Malic acid	3	2	2	2	3
Tartaric acid	3	3	2	2	3
Oleic acid	3	2	1	1	1
Palmitic acid	3	3	2	2	3
Stearic acid (+158 °F)	1	2	2	2	1
Tannic acid	3	3	3	3	3

SALTS AND ALKALIES	THERMIC BOOTS OUTSOLE	THERMIC BOOTS BOOTLEG	SAFEST BOOTS	SUPERLIGHT	NI-BOOTS
Potassium dichromate	3	3	2	2	3
Ammonium chloride	3	3	2	2	3
Calcium chloride	3	3	3	3	2
Potassium chloride	3	3	3	3	3
Sodium chloride	3	3	3	3	3
Ferric chlorid	3	3	2	2	3
Cupper chloride	3	3	2	2	3
Ammonium hydroxide	2	2	1	1	3
Calcium hydroxide	3	3	2	2	3
Potassium hydroxide	2	2	1	1	3
Sodium hydroxide	2	2	2	2	3
Sodium hypochlorite 20%	1	1	X	X	3
Calcium nitrate	3	3	3	3	3
Potassium nitrate	3	3	2	2	3
Ferric nitrate	3	3	3	3	3
Ammonium sulphate	3	3	3	3	3
Potassium sulphate	3	3	2	2	3
Copper sulphate	3	3	2	2	3
Ferric sulphate	3	3	3	3	3
Calcium sulphate	3	3	2	2	3
Calcium sulphide	3	3	2	2	3

ALDEHYDES AND KETONES	THERMIC BOOTS OUTSOLE	THERMIC BOOTS BOOTLEG	SAFEST BOOTS	SUPERLIGHT	NI-BOOTS
Acetaldehyde	X	X	X	X	X
Acetone	X	X	X	X	X
Benzaldehyde	X	X	X	X	X
Butyraldehydee	X	1	X	X	1
Chloracetone	1	X	X	X	X
Formaldehyde	2	2	1	1	2
Methylethyl Ketone	1	X	X	X	X

ORGANIC ESTERS	THERMIC BOOTS OUTSOLE	THERMIC BOOTS BOOTLEG	SAFEST BOOTS	SUPERLIGHT	NI-BOOTS
Amylacetate	X	X	X	X	X
Butylacetate	X	1	X	X	X
Ethylacetate	1	X	X	X	1
Dibutylphtalate	3	1	1	1	2
Ethylformate	1	1	1	1	1
Methylacetate	X	1	X	X	X
Propylacetate	X	1	X	X	X

LEGEND

EXCELLENT	3
GOOD	2
FAIR	1
NOT RECOMMENDED	X

FOR A PROPER MAINTENANCE WASH THE BOOT AFTER USE