

The following cleaning and care instructions are suggestions based on manufacturing practices and general applications. All recommendations are not to be interpreted as the only way to properly handle and care for any related products. Recommended cleaning and care processes are based on average and/or normal wear and tear and proper application for all products.

General Cleaning Process

Techno-Aide's closed cell foam is a high-density, non-porous material. Most cleaners can be applied either directly to the product or via a cleaning tool such as a towel or brush. Due to the non-porous nature of the closed cell foam, liquids will not penetrate below the surface of the foam (even if damaged). Some solutions may cause surface changes based on their chemical makeup. Discoloration and erosion of the surface layer may potentially occur with harsher and more abrasive cleaning solutions. Should this occur, the structural integrity of the closed cell foam will generally remain unaffected. The high-density structure of the material ensures no liquid is absorbed below the surface layer.

Tested Cleaner Compounds

- Water | 7732-18-5
- Alcohols, C9-C11, Ethoxylated | 68439-46-3
- Sodium Citrate | 6132-04-3
- Sodium Carbonate | 497-19-8
- Tetrasodium Glutamate Diacetate | 51981-21-6
- Citric Acid | 77-92-9
- Mixture, containing 5-Chloro-2-Methyl-2H-Isothiazol-3-one and 2-Methyl-2H-Isothiazol-3-one (3:1) | 55965-84-9
- Liquitint Green SG2 Polymeric Colorant | Proprietary
- IFRA-compliant Sassafras Fragrance | Proprietary (see fragrance palette at simplegreen.com/fragrances/)

Guidance Resistance Ratings

The data summarised on the following tables is derived from direct testing of products and extrapolation of data available on the chemical resistance of the base polymer. The data in these tables should only be used for guidance purposes. If chemical resistance is critical we recommend testing of the material under end use conditions to determine the suitability of the foam for a specific application.

The ratings given on the following tables are based on exposure at 20 C. The effects of each chemical have been graded from 0 to 4 using the following system:

Guidance Resistance Ratings

Grade	Effect	Foam Life Expectancy
0	Virtually no effect	Satisfactory for long term continuous contact over several years
1	Minimal effect	Satisfactory for continuous contact over several months
2	Some effect with noticeable deterioration of properties	Satisfactory for intermittent, continuous contact over several weeks
3	Substantial effect	Satisfactory for short term, continuous contact over several days
4	Catastrophic effect	Not recommended except for incidental contact. Deterioration of properties within hours of contact.

Chemical Class	Chemical	Rating
Acid	Acetic	0
	Formic	1
	Hydrochloric	0
	Nitric	1
	Sulphuric	1
Alkali	Ammonium Hydroxide	0
	Potassium Hydroxide	0
	Sodium Hydroxide	0
Aqueous Salt*	Water	0
	Brine	0
	Detergents	0
	Bleach	1
Fuel	Aviation Fuel	4
	Diesel Fuel	4
	Paraffin	4
	Petrol	4
Gas	Carbon Dioxide	1
	Chlorine	2
	Fluorine	2
	Hydrogen	0
	Ozone	1
	Propane	4

Chemical Class	Chemical	Rating
Oil	Castor Oil	0
	Cod Liver Oil	1
	Lanolin	1
	Linseed Oil	1
	Mineral Oil	2
	Motor Oil	0
	Olive Oil	1
	Paraffin Oil	2
Alcohol	Allyl Alcohol	1
	Butyl Alcohol	1
	Ethyl Alcohol	0
	Isopropyl Alcohol	0
	Methyl Alcohol	0
Amine/Amide	Dimethylformamide	1
Chlorinated Solvent	Carbontetrachloride	4
	Chloroform	4
	Perchloreoethylene	4
	Trichlorethane	4
	Trichlorethylene	4
Ester	Amyl Acetate	2
	Dibutyl Phthalate	2
	Diethyl Phthalate	2
	Ethyl Acetate	2
Ether	Diethyl Ether	4
Glycol	Ethylene Glycol	0
	Triethylene Glycol	0
Aliphatic Hydrocarbon	Cyclohexane	4
	Decalin	4
	Heptane	4
	Hexane	3
	Pentane	3
	White Spirit	4

Chemical Class	Chemical	Rating
Aromatic Hydrocarbon	Benzene	4
	Toluene	4
	Xylene	4
Ketone	Acetone	2
	Methyl Ethyl Ketone	2
Sealant/Adhesive	Acrylic Sealants	0
	Silicone Sealants	0
	Hot Melt Adhesives	0
	Solvent Based Adhesives**	0
	Water Based Adhesives	0

* Inorganic salts generally have no effect (0 rating)

** Hydrocarbons or chlorinated solvents in solvent based adhesives evaporate quickly and are unlikely to have any effect on foams in normal use