



NORLAND PRODUCTS INCORPORATED

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BANNED / RESTRICTED MATERIAL AND CHEMICAL SUBSTANCES

The following substances are not components of any product manufactured by Norland Product's Inc.

RoHS-European Directives 2002/95/EC and 2003/11/EC

PFOS and fluorine related chemicals

Lead and its compounds

Mercury and its compounds

Cadmium and its compounds

Chromium and its compounds

Hexavalent Chromium

PBBs (Polybromobiphenyls)

PBDEs (Polybromodibiphenyl ethers)

PentaDBE (Pentabromodiphenyl ether)

OctaBDE (Octabromodiphenyl ether)

Deca BDE

Antimony and its compounds

Arsenic and its compounds

Asbestos and its compounds

Azo compounds

Benzene

Beryllium and its compounds

Bismuth and its compounds

Brominated Flame Retardants

Chlorofluorocarbon

Chloroparaffins

Cobalt and its compounds

Cyanogen and its compounds

Dimethylfumarate (DMF)

Formaldehyde

Glycol ethers

Halogenated Flame Retardant

Isocyanates

Nickel and its compounds

Organic tin compounds

PCBs (Polychlorobiphenyls)

PCTS Polychlorinated terphenyl)

Phthalates (phthalate esters)

Polychloronaphthalenes

Polyvinylchloride and its mixture

radioactive substances

Selenium and its compounds

Tellurium and its compounds

Thallium and its compounds

Tributyl tin and its compounds

Triphenyl tin and its compounds

Bisphenol A

In addition the chemicals (listed on the next two pages) of high concern listed by the European Chemicals Agency (ECHA) are not used to manufacture any Norland Adhesive.

Substance identification			Authority
Substance name	CAS number	EC number	
2,4-Dinitrotoluene	121-14-2	204-450-0	Spain
Anthracene oil	90640-80-5	292-602-7	Germany
Anthracene oil, anthracene paste, distn. Lights	91995-17-4	295-278-5	Germany
Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	Germany
Anthracene oil, anthracene-low	90640-82-7	292-604-8	Germany
Anthracene oil, anthracene paste	90640-81-6	292-603-2	Germany
Diisobutyl phthalate	84-69-5	201-553-2	Germany
Aluminosilicate, Refractory Ceramic Fibres		(650-017-00-8 ¹)	Germany
Zirconia Aluminosilicate, Refractory Ceramic Fibres		(650-017-00-8 ¹)	Germany
Lead chromate	7758-97-6	231-846-0	France
Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	12656-85-8	235-759-9	France
Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	215-693-7	France
Acrylamide	79-06-1	201-173-7	Netherlands
Tris(2-chloroethyl)phosphate	115-96-8	204-118-5	Austria
Coal tar pitch, high temperature	65996-93-2	266-028-2	European Commission

Anthracene	120-12-7	204-371-1	Germany				
4,4'- Diaminodiphenylmethane	101-77-9	202-974-4	Germany				
Dibutyl phthalate	84-74-2	201-557-4	Austria				
Cyclododecane	294-62-2	206-33-9	France				
Cobalt dichloride	7646-79-9	231-589-4	France				
Diarsenic pentaoxide	1303-28-2	215-116-9	France				
Diarsenic trioxide	1327-53-3	215-481-4	France				
Sodium dichromate, dihydrate	7789-12-0		France				
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	Netherlands				
Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	204-211-0	Sweden				
Hexabromocyclododecane (HBCDD)	25637-99-4	247-148-4	Sweden				
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5	United Kingdom				
Bis(tributyltin)oxide	56-35-9	200-268-0	Norway				
Lead hydrogen arsenate	7784-40-9	232-064-2	Norway				
Triethyl arsenate	15606-95-8	427-700-2	Norway				
Benzyl butyl phthalate	85-68-7	201-622-7	Austria				

Additions may be made to this list whenever deemed necessary or desirable following investigation on a case by case basis.

A handwritten signature in black ink, reading "Timothy C. Norland". The signature is written in a cursive, flowing style.

Timothy C. Norland
General Manager