

# 3M Novec™ Aerosol Cleaners

## Product Cross Reference Guide



### Introduction

This Product Cross Reference Guide is intended to assist customers in identifying the 3M™ Novec™ Aerosol Cleaner product that most closely matches the performance characteristics of a variety of commercially-available industrial cleaners.

The products, catalog numbers and related information shown in this Product Cross Reference Guide were obtained from the latest available published information of the manufacturers of the products listed (as of the issue date of this guide).

**Note:** The 3M products listed below are offered as product replacement candidates for user consideration and evaluation. It is essential that before making any substitution the user evaluate any such products to determine whether they have the performance characteristics the user wants and are suitable for the user's intended application.

### Chemtronics Products

#### Degreasers

Product Name	Product Number	Contains Class II Ozone Depleter	Contains HFC	Contains nPB, HAP
Electro-Wash NX	ES1601	141b	134a	
Electro-Wash NX Improved	ES1611, ES2211	225ca, cb	134a	
Electro-Wash NR	ES1604	141b	134a	
Electro-Wash NR Improved	ES1614		134a	n-Propyl Bromide
Electro-Wash PN	ES1675	141b	134a	
Electro-Wash PN Improved	ES1678	225ca, cb	134a	
Electro-Wash CZ	ES7100		134a	
Electro-Wash VZ	EX6100		134a, 365, 43-10	
Electro-Wash NXO	ES1607		134a	

#### Novec Aerosol Replacement Candidate

##### Non-Ozone Depleting HFC, nPB & HAPS-Free

Novec Electronic Degreaser
Novec Electronic Degreaser
Novec Electronic Degreaser
Novec Electronic Degreaser
Novec Electronic Degreaser
Novec Electronic Degreaser
Novec Electronic Degreaser
Novec Electronic Degreaser
Novec Electronic Degreaser

#### Flux Removers

FluxOff No Clean Improved	ES1695	225ca, cb	134a	
FluxOff No Clean	ES1692	141b	134a	
FluxOff Heavy Duty	ES1631		134a	
FluxOff CZ	ES7200		134a	
FluxOff VZ	ES6200		134a, 365, 43-10	

Novec Flux Remover
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## Chemtronics Products

	Product Name	Product Number	Contains Class II Ozone Depleter	Contains HFC	Contains nPB, HAP	Non-Ozone Depleting HFC, nPB & HAPS-Free
<b>Contact Cleaners</b>	Pow-R-Wash VZ	ES6300		134a, 365, 43-10		Novec Contact Cleaner
	Pow-R-Wash NX	ES1602	141b	134a		Novec Contact Cleaner
	Pow-R-Wash NX Improved	ES1612, ES2212	225ca, cb	134a		Novec Contact Cleaner
	Pow-R-Wash NR Improved	ES1613		134a	n-Propyl Bromide	Novec Contact Cleaner
	Pow-R-Wash PN	ES1674	141b	134a		Novec Contact Cleaner
	Pow-R-Wash PN Improved	ES1677	225ca, cb	134a		Novec Contact Cleaner
	Pow-R-Wash CZ	ES7300		134a		Novec Contact Cleaner
	Tuner ReNu	ES1661	141b			Novec Contact Cleaner
	Electro-Wash CZ Fiber Optic Cleaner	ES7100		134a		Novec Contact Cleaner

## Novec Aerosol Replacement Candidate

## LPS Products

	Product Name	Product Number	Contains Class II Ozone Depleter	Contains HFC	Contains nPB, HAP	Non-Ozone Depleting HFC, nPB & HAPS-Free
<b>Contact Cleaners</b>	Electra-X Contact Cleaner	LPS 0816		134a	n-Propyl Bromide	Novec Contact Cleaner
	PSCS Plastic Safe Cleaner	LPS 4620		134a		Novec Contact Cleaner
	No-Flash Electro Contact Cleaner	LPS 4016		134a	n-Propyl Bromide	Novec Contact Cleaner
	Electro Contact Cleaner	LPS 0416		134a		Novec Contact Cleaner
	No Flash NU Electric Contact Cleaner	LPS 4015		134a	n-Propyl Bromide	Novec Contact Cleaner
	NoSpark Electrical Cleaner	LPS 4816		134a		Novec Contact Cleaner
	VOC Free Contact Cleaner	LPS 3416	225ca,cb	134a		Novec Contact Cleaner
<b>Degreasers</b>	Instant Super Degreaser	LPS0719, 0720			n-Propyl Bromide	Novec Electronic Degreaser

## Novec Aerosol Replacement Candidate

**Micro Care Products**

	<b>Product Name</b>	<b>Product Number</b>	<b>Contains Class II Ozone Depleter</b>	<b>Contains HFC</b>	<b>Contains nPB, HAP</b>	<b>Novex Aerosol Replacement Candidate</b> <b>Non-Ozone Depleting HFC, nPB &amp; HAPS-Free</b>
<b>Contact Cleaners</b>	Contact Cleaner C 43-10	MCC-CCC		134a, 365,		Novex Contact Cleaner
	Precision Contact Cleaner II	MCC-PC2	141b	134a		Novex Contact Cleaner
	Precision Contact Cleaner III	MCC-PC3		134a		Novex Contact Cleaner
	Precision Electronics	MCC-PEC	141b	134a		Novex Contact Cleaner or Novex Electronic Degreaser
	Fiber Connector Cleaner	MCC-FCC2		134a, 365, 43-10		Novex Contact Cleaner
<b>Degreasers</b>	HyperClean	MCC-HYP	141b	134a		Novex Electronic Degreaser
	Genesolv 2004	MCC-2004	141b	134a		Novex Electronic Degreaser
	Heavy Duty Degreaser C	MCC-HDC		134a, 365, 43-10		Novex Electronic Degreaser
	Vericlean	MCC-DC1		134a		Novex Electronic Degreaser
<b>Flux Removers</b>	Flux Remover C	MCC-FRC		134a, 365, 43-10		Novex Flux Remover
	SuprClean Defluxer	MCC-SPR		134a, 43-10		Novex Flux Remover
	SpecClean Flux Remover	MCC-SPC3		134a		Novex Flux Remover
	Heavy Duty Flux Remover II	MCC-HD2	141b	134a	Methylene Chloride	Novex Flux Remover
	Heavy Duty Flux Remover III	MCC-HD3		134a		Novex Flux Remover

**Sprayon Products**

	<b>Product Name</b>	<b>Product Number</b>	<b>Contains Class II Ozone Depleter</b>	<b>Contains HFC</b>	<b>Contains nPB, HAP</b>	<b>Novex Aerosol Replacement Candidate</b> <b>Non-Ozone Depleting HFC, nPB &amp; HAPS-Free</b>
<b>Contact Cleaners</b>	Contact and Tuner Cleaner	S02202	141b			Novex Contact Cleaner
	Plastics Contact Cleaner	S02020		134a		Novex Contact Cleaner
<b>Degreasers</b>	Ultra Force™ Safety Solvent & Degreaser	S20847			n-Propyl Bromide	Novex Electronic Degreaser
	Ultra Force™ II Safety Solvent & Degreaser	S20846			n-Propyl Bromide	Novex Electronic Degreaser
	Safety Cleaner & Degreaser II	S00748	141b			Novex Electronic Degreaser Novex Contact Cleaner
	Electrical Cleaner Lubricating Spray	S02001			Trichloroethylene	Novex Electronic Degreaser
	Electric Motor Degreaser	S00703			Perchloroethylene	Novex Electronic Degreaser
	Flash Free Safety Solvent Degreaser	S20848			Trichloroethylene	Novex Electronic Degreaser

**Techspray Products**

**Novec Aerosol  
Replacement  
Candidate**

	<b>Product Name</b>	<b>Product Number</b>	<b>Contains Class II Ozone Depleter</b>	<b>Contains HFC</b>	<b>Contains nPB, HAP</b>	<b>Non-Ozone Depleting HFC, nPB &amp; HAPS-Free</b>
<b>Contact Cleaners</b>	Envi-Ro-Tech™ Contact Cleaner	1674	141b			Novec Contact Cleaner
	Contact Cleaner II	1668	225ca,cb	134a		Novec Contact Cleaner
	HFE Contact Cleaner	1687		134a		Novec Contact Cleaner
	Contact Cleaner NF	3000	141b			Novec Contact Cleaner
	AK225 Contact Cleaner	3015	225ca,cb	134a		Novec Contact Cleaner
	Contact Cleaner G3®	1632		134a, 245fa		Novec Contact Cleaner
<b>Degreasers</b>	Envi-Ro-Tech™ 1675 Cleaner Degreaser	1675	141b			Novec Electronic Degreaser
	Envi-Ro-Tech™ 1677 Cleaner Degreaser	1677	141b			Novec Electronic Degreaser
	Asahiklin AK225 Neat	1663	225ca,cb	134a		Novec Electronic Degreaser
	Blue Shower® II	1667	225ca,cb	134a		Novec Electronic Degreaser
	Degreaser NF	3070			Trichloro-ethylene	Novec Electronic Degreaser
	Blue Shower G3®	1630		134a, 245fa		Novec Electronic Degreaser
	HFE Cleaner	1685		134a		Novec Electronic Degreaser
<b>Flux Removers</b>	Envi-Ro-Tech™ 1678 Light Defluxer	1678	141b			Novec Flux Remover
	Envi-Ro-Tech™ 1676 Defluxer	1676	141b			Novec Flux Remover
	Genesolv® 2004 Defluxer	1616	141b			Novec Flux Remover
	Flux Remover G3®	1631		134a, 245fa		Novec Flux Remover
	No Clean Flux Remover G3	1634		134a, 245fa		Novec Flux Remover
	Kleen ATMS	1664	225ca,cb	134a		Novec Flux Remover
	Flux Remover AMS	1665	225ca,cb	134a		Novec Flux Remover
	No Clean Flux Remover	1660	225ca,cb	134a		Novec Flux Remover
	ATO Flux Remover (Europe Only)	1649		134a		Novec Flux Remover
	HFE Flux Remover	1686		134a		Novec Flux Remover

**CRC Industries Products**

**Novec Aerosol  
Replacement  
Candidate**

	<b>Product Name</b>	<b>Product Number</b>	<b>Contains Class II Ozone Depleter</b>	<b>Contains HFC</b>	<b>Contains nPB, HAP</b>	<b>Non-Ozone Depleting HFC, nPB &amp; HAPS-Free</b>
<b>Contact Cleaners</b>	CO Contact Cleaner	2016			134a, 43-10	Novec Contact Cleaner
	Industrial Contact Cleaner	3070		134a, 43-10		Novec Contact Cleaner
	Contact Cleaner 2000	2140, 3150	141b			Novec Contact Cleaner
	NT Precision Cleaner	2205, 3205		43-10		Novec Contact Cleaner or Electronic Degreaser
<b>Degreasers</b>	Electronic Degreaser	2215, 3215			n-Propyl Bromide	Novec Electronic Degreaser
	Precision Plus Cleaner	2210, 3210	225ca, cb	134a		Novec Contact Cleaner or Electronic Degreaser
	Electronic Component Cleaner	2200, 3200	141b			Novec Electronic Degreaser
	PF Precision Cleaner	2190, 3190	141b	134a, 43-10		Novec Contact Cleaner
	Industrial Super Cleaner Degreaser	3110			n-Propyl Bromide	Novec Electronic Degreaser
	Lectra Clean Heavy Duty Degreaser	2018			Trichloro-ethylene	Novec Electronic Degreaser
	Electric Electrical Parts Cleaner	2180			Perchloro-ethylene	Novec Electronic Degreaser
	CE Precision Cleaner	14035		134a, 43-10		Novec Contact Cleaner
	Cable Clean Degreaser	2064			n-Propyl Bromide	Novec Electronic Degreaser
	Cable Clean	2069			Trichloro-ethylene	Novec Electronic Degreaser
	Cable Clean NT High Voltage Splice Cleaner	2040		43-10		Novec Contact Cleaner
	QuickClean Safety Solvent Degreaser	3180			Perchloro-ethylene	Novec Electronic Degreaser
	Heavy Duty Degreaser	3095			Trichloro-ethylene	Novec Electronic Degreaser
	<b>Flux Remover</b>	Flux Remover	14500		134a, 43-10	

# Product Cross Reference Guide

## Miller Stephenson Products

	Product Name	Product Number	Contains Class II Ozone Depleter	Contains HFC	Contains nPB, HAP	<b>Novac Aerosol Replacement Candidate</b> Non-Ozone Depleting HFC, nPB & HAPS-Free
<b>Contact Cleaners</b>	Safezone Precision Cleaner	MS941/CO2				Novac Contact Cleaner
	Safezone Contact Re-Nu®	MS-930/CO2	141b			Novac Contact Cleaner
	Precision Cleaner	MS-720				Novac Contact Cleaner
	Contact Re-Nu®	MS-730				Novac Contact Cleaner
	Vertrel XF Cleaner	MS-780		43-10		Novac Contact Cleaner
	Vertrel XP Cleaner	WO419A		43-10		Novac Contact Cleaner
	Vertrel XM Cleaner	MS-765		43-10		Novac Contact Cleaner
	Vertrel XE Cleaner	MS-775		43-10		Novac Contact Cleaner
	Vertrel X-P10	MS-760		43-10		Novac Contact Cleaner
<b>Degreasers</b>	Vertrel MCA Cleaner	MS-750		43-10		Novac Electronic Degreaser
	Vertrel MCA Plus Hvy Duty Solvent and Flux Reomover	MS-770		43-10		Novac Electronic Degreaser or Novac Flux Remover
	Vertrel XSi Silicone Solvent	T0407A2		43-10		Novac Electronic Degreaser
<b>Flux Removers</b>	Safezone Solvent and Flux Remover	MS-990/CO2		141b		Novac Flux Remover
	Heavy Duty Solvent and Flux Remover	MS725, MS727				Novac Flux Remover
	Vertrel SMT Heavy Duty Solvent & Flux Remover	MS-755		43-10		Novac Flux Remover
	Vertrel XMS Plus Heavy Duty Solvent & Flux Remover	MS-795		43-10		Novac Flux Remover

## Sprayway Products

	Product Name	Product Number	Contains Class II Ozone Depleter	Contains HFC	Contains nPB, HAP	<b>Novac Aerosol Replacement Candidate</b> Non-Ozone Depleting HFC, nPB & HAPS-Free
<b>Contact Cleaners</b>	Elect Grade Precision Cleaner	800	141b	134a		Novac Contact Cleaner
	High Purity Contact Cleaner	803	141b	134a		Novac Contact Cleaner
	Film Cleaner	205			Trichloroethylene	Novac Contact Cleaner
<b>Degreasers</b>	C-60 Solvent Cleaner and Degreaser	63			Trichloroethylene	Novac Electronic Degreaser
	Elect Grade Solvent Cleaner/Degreaser	64			Trichloroethylene	Novac Electronic Degreaser

**Stoner Products**

	<b>Product Name</b>	<b>Product Number</b>	<b>Contains Class II Ozone Depleter</b>	<b>Contains HFC</b>	<b>Contains nPB, HAP</b>	<b>Novac Aerosol Replacement Candidate</b> <b>Non-Ozone Depleting HFC, nPB &amp; HAPS-Free</b>
<b>Contact Cleaners</b>	Medium Duty ElectroKlene	94032				Novac Contact Cleaner
	Light Duty ElectroKlene	94012				Novac Contact Cleaner
<b>Degreaser</b>	Heavy Duty ElectroKlene	94052				Novac Electronic Degreaser
<b>Flux Remover</b>	Multipurpose Flux Remover	94072				Novac Flux Remover

**Rite-Off Products**

	<b>Product Name</b>	<b>Product Number</b>	<b>Contains Class II Ozone Depleter</b>	<b>Contains HFC</b>	<b>Contains nPB, HAP</b>	<b>Novac Aerosol Replacement Candidate</b> <b>Non-Ozone Depleting HFC, nPB &amp; HAPS-Free</b>
<b>Contact Cleaners</b>	Contact Clean	6470			n-Propyl Bromide	Novac Contact Cleaner
	Versa Clean HFE	51292		134a		Novac Contact Cleaner
	Rapid Dry Contact Cleaner	6440			Trichloro-ethylene	Novac Contact Cleaner
<b>Degreasers</b>	Multikleen	6540			n-Propyl Bromide	Novac Electronic Degreaser
	Versa Clean	51287	141b	134a		Novac Electronic Degreaser
	BromoClean	51290			n-Propyl Bromide	Novac Electronic Degreaser
	Safety Solvent	6310			Trichloro-ethylene	Novac Electronic Degreaser
	Electro-Clean	6490			n-Propyl-Bromide	Novac Electronic Degreaser
<b>Flux Removers</b>	Flux Clean	52133				Novac Flux Remover
	Flux Clean NR	6560			n-Propyl Bromide	Novac Flux Remover
	Heavy Duty Defluxer	6530			n-Propyl Bromide	Novac Flux Remover

# Product Cross Reference Guide

## MG Chemicals Products

	Product Name	Product Number	Contains Class II Ozone Depleter	Contains HFC	Contains nPB, HAP	<b>Novec Aerosol Replacement Candidate</b> Non-Ozone Depleting HFC, nPB & HAPS-Free
<b>Contact Cleaner</b>	Contact Cleaner	11101	141b			Novec Contact Cleaner
<b>Degreasers</b>	RawnClean	11179			Trichloroethylene	Novec Electronic Degreaser
	Circuit Wash	11169	141b			Novec Electronic Degreaser
<b>Flux Removers</b>	Fluxsolv II	11015				Novec Flux Remover
	Flux Remover	11109	141b			Novec Flux Remover

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