Product Information

3M Novec[™] Electronic Degreaser

Introduction

3M[™] Novec[™] Electronic Degreaser effectively removes hydrocarbon, silicone and fluorochemical oils and greases encountered in the maintenance of electronics, electric motors and generators and other electromechanical and precision devices. The product is suitable for use on metals and many plastics, with the exception of acrylics, polycarbonates, ABS and PS.

Novec Electronic Degreaser is based on a non-flammable high performance proprietary hydrofluoroether formulation that is non-ozone depleting and does not contain any Hydrochlorofluorocarbons (HCFCs), Hydrofluorocarbons (HFCs), Hazardous Air Pollutants (HAPs) or n-propyl bromide (nPB). This results in an affordable, industrial-strength cleaner/degreaser, providing a wide margin of workplace safety and a favorable environmental profile.

Features

- Non-flammable
- Fast drying, very low residue
- Low odor

- Non-corrosive
- Non-Ozone Depleting (No HCFCs)
- Low Toxicity (No nPB or HAPs)

Novec Electronic Degreaser can be an effective substitute for many cleaners based on ozone-depleting substances such as HCFC-141b, HCFC-225, or nPB. It also offers a greater margin of safety than many nPB-based cleaners or cleaners containing HAPs such as perchloroethylene. Carbon dioxide is used as the propellant rather than a flammable hydrocarbon or an HFC greenhouse gas.

Environmental, Health and Safety Information	Properties	Novec Elec. Degreaser	HCFC-141b	HCFC-225 ca	nPB	Perchloroethylene
	Ozone Depletion Potential - ODP ¹	0.0	0.1	0.03	0.013-0.1	0.0
	Global Warming Potential - GWP ²	41	700	180	Low	Low
	Hazardous Air Pollutant ³	No	No	No	No	Yes
	Exposure Guidelines (ppmV, TWA)	200	500	50	10	25
	Margin of Safety⁴ (MOS)	10	25	2.5	0.5	~1
	1 CEC-11 – 1 0					

 1 CFC-11 = 1.0

 2 GWP-100 year integration time horizon, CO₂ = 1.0

³As defined by the U.S. EPA in the Clean Air Act of 1990

⁴MOS in use = Exposure Guideline

Assumed 20 ppmV 8hr TWA exposure



Safety and Handling

3M[™] Novec[™] Electronic Degreaser is nonflammable. When used as directed, in its intended applications, Novec Electronic Degreaser has a wide margin of safety between anticipated exposures and the exposure guideline. Before using this product, be sure to read and follow all precautions and directions for use contained in the product label and Material Safety Data Sheet, which is available from your local 3M representative upon request.

More 3M[™] Novec[™] Aerosol Cleaners 3M[™] Novec[™] Contact Cleaner 3M[™] Novec[™] Flux Remover

Resources

3M[™] Novec[™] Aerosol Cleaners are supported by global sales, technical and customer service resources, with fully-staffed technical service laboratories in the U.S., Europe, Japan, Latin America and Southeast Asia. Users benefit from 3M's broad technology base and continuing attention to product development, performance, safety and environmental issues.

For additional technical information on Novec Electronic Degreaser in the United States, call 3M Customer Service, **800 810 8513**.

For information on additional 3M fluids, coatings and other chemical products for the electronics industry, visit our web site at:

www.3M.com/electronics

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