

Nordson Type R Cleaning Solvent



WARNING! The flash point of Type R solvent is 288 °C (550 °F). Do not heat this material above 246 °C (475 °F). Do not heat Type R solvent with an open flame or in an uncontrolled heating device (for example, a small pan or unregulated hot plate). A fire hazard may exist if an open flame or uncontrolled hot plate is used to heat Type R solvent. A controlled heating device (such as a small deep fat fryer or thermostatically controlled hot plate) should be used to heat the solvent above the melting point of the adhesive.

Physical Properties

Parameter	Specification
Flash point	288 °C (550 °F)
Freeze point	0 °C (32 °F)
Vapor (Odor)	None
Color	Clear
Viscosity	5,600 cps @ 25 °C (77 °F)
Kg/l (lb/gal)	1 (9)
Molecular weight	3,300 Non-irritating to skin Non-toxic

Type R solvent meets the requirements of the following FDA regulations:

- 175.105
- 175.300
- 175.380
- 175.390
- 176.170
- 176.180
- 177.1010
- 177.1210



WARNING! Do not take internally. Keep out of reach of children.

Usage

Type R solvent may not be compatible with all adhesives. Before using Type R solvent with an adhesive for the first time, test for compatibility using the procedure described below.

NOTE: For ease of pouring, store Type R solvent at room temperature 21 °C (70 °F). Do not store Type R solvent at temperatures above 65 °C (150 °F).

To clean parts exposed to hot melt, nozzles and filters, soak the parts in heated Type R solvent at a temperature above the normal adhesive application temperature but less than 246 °C (475 °F).

CAUTION! When cleaning the AD-24 drop-in cartridge with Type R solvent, do not submerge the entire cartridge into the solvent. Be certain the pneumatic section (top of the cartridge is not inserted in the molten solvent. The mixture of Type R solvent and the molten adhesive will cause the pneumatic section to seize.

1. Heat the mixture slightly above the application temperature.
2. Note changes in the mixture:
 - a. Discoloration
 - b. Increase in viscosity
 - c. Gelling
 - d. Separation of any ingredients in the mixture
 - e. Sharp drop in viscosity.

CAUTION! Do not use Type R solvent when flushing equipment using Polyamide, Surlyn, Polyester or certain other high performance hot melt materials. A gelled contaminant may form which will cause nozzle plugging and charring in the various heated components.



WARNING! Before using a cleanout material other than Nordson Type R solvent, check to be sure the material meets these specifications:

1. Non-toxic and non-sensitizing.
2. Does not produce toxic vapors when heated.
3. Flash point at least 28 °C (50 °F) above intended use temperature.
4. Non-corrosive.

Refer to the specific Nordson applicator service manual for additional information regarding the use of Type R solvent.

Part	Description
270755	Solvent, Type R, 3.8 l (1 gal)
270756	Solvent, Type R, 18.9 l (5 gal)
270757	Solvent, Type R, 208.2 l (55 gal)

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