



Quick Decontamination Solutions (QDS) Combo Wipes



An easy and efficient method to decontaminate radioactive surface contamination

How the Combo Wipes Work

The core technology used in the QDS Combo Wipes is based upon the "Mass Effect" Principle. When the proprietary wipes, which are saturated with the decontamination solution, come in direct contact with 'loose' or 'removable' contamination on a surface, the radioactive material is 'lifted' from the material surface via the ion-exchange process. Like-property non-radioactive ions replace the radioactive ones. The radioactive ions/contamination is collected on the wipe and disposed of as radioactive waste.

FEATURES

- ◆ 80-90% Decontamination Factor
- ◆ 35 wipes per canister
- ◆ Effective on **BOTH** Transition Metals and Actinides Radionuclide Isotope Families
- ◆ 10+ year Shelf Life of product (dry); 60+ days when distilled water is added

Advantages

- Safe surface radiation isotope remover
- Safe & quick ionic-focused for radiation removal
- First line for safe radiation defense
- Environmentally friendly
- Cost effective
- Effective on 63 different radio-isotopes
- Far superior to Radiacwash or any other similar products

RT Technologies Inc.
2391 Briarleigh Way
Dunwoody, GA 30338

770-332-0092
770-332-0092
contact@rtlasersafety.com
www.rtlasersafety.com

BENEFITS



**SIGNIFICANT
REDUCTION IN
CRITICAL PATH
TIME & DOSE**



**NON-TOXIC,
ENVIRONMENTALLY
FRIENDLY & SAFE**



**SIMPLE & COST
EFFECTIVE
ALARA SOLUTION**

Use Cases

- ⇒ Decon Facility Use; Reduce contamination levels on tools
- ⇒ RCA Boundary/Control Point Decontamination; 'free-release' of personal items, clothing, and tools following alarm monitoring
- ⇒ Spot Wall and Floor Decontamination
- ⇒ Environmental/Emergency Planning (EP) Response teams ---post accident
- ⇒ 1st Responders and Facility Spill Clean-up kits

Directions for Use: Open canister and add 500ml DI water. Replace lid and shake vigorously for 1 min. Let stand for up to 30 min., then invert for a few minutes to let solution permeate wipes completely. Wipes should be yellow in color. If solution contacts skin, wash with soap and water. Wearing protective elastic gloves, remove one wipe at a time from canister by tearing off at score line. Apply wetted wipe to surfaces to be decontaminated and rub area vigorously. Remove excess solution, wipes, and contaminated gloves and dispose of as radioactive waste. Repeat process as needed.

Red—Halogens ♦ **Blue—Transition Metals** ♦ **Yellow—Actinides**

PERIODIC TABLE OF THE ELEMENTS

Adapted from the Commission on Isotope Weights and Atomic Weights, International Union of Pure and Applied Chemistry (IUPAC) and the International Union of Pure and Applied Chemistry (IUPAC) and the International Union of Pure and Applied Chemistry (IUPAC) and the International Union of Pure and Applied Chemistry (IUPAC)

KEY

- Red: Halogens
- Blue: Transition Metals
- Yellow: Actinides

RT Technologies Inc.
2472 Jett Ferry Rd, STE 400, PMB 401
Dunwoody, GA 30338

770-332-0092
770-332-0092
contact@rtlasersafety.com
www.rtlasersafety.com

RT
Technologies