The Continuing Saga of Outdated Respirator Language
Three Agencies

- NIOSH
- OSHA
- EPA
WORDS no longer used by NIOSH

Dust  mist

Pre filter approved for pesticides

Canister approved for pesticides
NEW Words used by NIOSH

Combination

Particulate

Canister
NIOSH Recycles Things that Shouldn’t Be

TC-21C

TC-23C

...they don’t mean what they used to mean....
TC-21C

USED TO BE

NOW
Remained the same

TC-23C

From:

To:

ONE type of cartridge
(No “pre-filter”)
Where did “Dust Mist” Go?

Now it is called: Particulate
What are the Corresponding NIOSH Approval Numbers?

TC-84A

TC-84A

TC-84A

TC-21C
Manufacturer’s Specifications
Manufacturer’s Specifications

**P100 particulate respirator protects against certain oil-based pesticides**

- NIOSH Approval No. TC-84A-2561

A Disposable P100 particulate respirator **for spraying oil-based pesticides** when the label specifies a TC-84A respirator, or a respirator protective against particulates. Sold individually.

**N95 approved filtering face piece particulate respirator**

Suggested applications: **Grinding, Sanding, Sweeping, Bagging** and other dusty operations
What happened to what used to be:
this TC-23C?

It shares the same NIOSH approval No. TC-84A
So look for the components: not the number!
AND

HE Filters can only go on a Powered Air Purifying Respirator (PAPR)

TC-21 C

TC-23C
A NIOSH approved respirator with an organic vapor (OV) removing cartridge with any combination N, R, or P filter (NIOSH approval number prefix TC-84A); or an OV canister (NIOSH approval prefix TC-14G; or a powered air purifying respirator (PAPR) with HE filters (NIOSH approval prefix TC-23C.).
The applicator:
Must either use an enclosed cab that also provides equivalent respiratory protection to an organic vapor-removing respirator or wear a respirator with either an organic vapor-removing cartridge with a pre filter approved for pesticides (MSHA/NIOSH approval number prefix TC-23G), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH-approved respirator with an organic vapor (OV)cartridge, or a canister (with) any N, R, P or HE filter.
Handlers engaged in those activities for which use of an engineering control is not possible must wear:
A respirator with an organic-vapor removing cartridge with a pre-filter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH-approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE filter.
Handlers engaged in those activities for which use of an engineering control is not possible, such as cleaning up a spill or leak and cleaning or repairing contaminated equipment, must wear:

- A respirator with an organic-vapor removing cartridge with a pre-filter (MSHA/NIOSH approved number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH-approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE filter.
Gramoxone Inteon
EPA Reg. No. 100-1217

**Personal Protective Equipment (PPE)**
Applicators and other handlers (other than Mixers and Loaders) must wear:
- Long-sleeve shirt and long pants
- Shoes plus socks
- Protective eyewear
- Chemical Resistant Gloves - Category A (e.g. barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride (PVC) or Viton®)
- A dust mist NIOSH-approved respirator with any N, R, P, or HE filter

A NIOSH approved particulate respirator with any N, R or P filter (NIOSH approval prefix TC-84A); or a powered air purifying respirator (PAPR) with HE filters (NIOSH approval prefix TC-21C).
Mixer Loaders, applicators, and all other handlers must wear:
And NIOSH approved dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C) or a NIOSH approved respirator with any N, R, P or HE filter.
Dust-Mist \[\rightarrow\] Particulate

Pre-filter approved for pesticides \[\rightarrow\] Combination

Canister approved for pesticides \[\rightarrow\] Canister

MSHA \[\rightarrow\] No longer used

HE filters \[\rightarrow\] Can only go on a powered air purifying respirator
Cartridge vs Canister

The difference between a cartridge & a canister is the outer shell that houses the filter media. Canisters have metal outer shells and cartridges have either plastic or cloth shells. Canisters normally are larger. Canisters are more specific, and are not differentiated as N, R or P.
What is the Solution?

- PR Notice sent to registrants: Do your labels contain respirator language? If so, and that language is different than the 2014 LRM, it must be corrected. (Can change at the same time the WPS changes are made.)
- Correct label by label.
- Wait until the products are re-registered.
- Maintain in the current unenforceable state.
Garnet R Cooke

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