

VIDEOS THAT SHOW REACTIONS OF COMBUSTIBLE METALS OR COMBUSTIBLE DUSTS

1. LAFD / Titanium Scrap Warehouse / Part One of Three (6:31 min):
<http://www.youtube.com/watch?v=1xnUculfm-o&feature=related>
2. LAFD / Titanium Scrap Warehouse Explosion / Part Two of There (6:17 min):
<http://www.youtube.com/watch?v=5ykseFxoWqA>
(Shows camera getting knocked down after explosion):
3. LAFD / Titanium Scrap Warehouse / Part Three of Three (6:50 min):
http://www.youtube.com/watch?v=kW8_nJYQ2Vs&feature=related
4. LAFD Titanium EXPLOSION (4:31 min):
<http://www.youtube.com/watch?v=NDhnwLheoU4&feature=related>
Shows explosion in alley and fire fighters being showered with molten metal
5. Slauson Explosion (0:58 min):
<http://www.youtube.com:80/watch?v=DRDJiCn-M80&feature=email>
Bi-lingual translation of a titanium explosion!
6. Major Emergency Hazmat Yard Fire, LAFD (2:58 min)
<http://www.youtube.com/watch?v=I4HXkZv8b7U&feature=related>
Interview with FD Officer, they just need to use more water!!!!!!
7. Evansville Indiana Close Call Magnesium Explosion Car Fire (0:35 min):
<http://www.youtube.com/watch?v=IxRJIQJqP3I&NR=1&feature=endscreen>
No sound. What FD's should be aware of everyday with vehicle fires.
8. Teacher's Domain Dust Explosion (0:15 min):
http://www.teachersdomain.org/asset/lsp07_int_expldust/
Small viewing area, can and beaker explosion demonstrations.
9. U.S. Chemical Safety Board Iron Dust Testing May 26, 2011 (1:16 min):
<http://www.csb.gov/videoroom/detail.aspx?VID=52>
Uses about 1 oz of iron powder for flash fire demonstration
10. How to Breathe Fire Using Corn Starch (2:02):
<http://www.youtube.com/watch?v=mc8KLCPIIk>
DSF (Dumbest Stuff on Feet)

11. Alkali Metals: Explosive reactions (1:09 min):

<http://www.youtube.com/watch?v=QSZ-3wScePM>

Petri dish testing of alkali metals. Shows that the different metals have different reactions.

12. Sodium and Water in a 40 gallon trash can (trash can testing) (1:00):

<http://www.youtube.com/watch?v=92Mfric7JUc>

This may indeed be one of the new required 'field tests'

13. Alkali Metal Tests (Vintage Sodium Test Fires) (4:14):

<http://www.youtube.com/watch?v=wBsx1srLenU> Start at about 3:00 minutes

Very good for showing reaction between burning sodium and water, KA-BOOM!!!!!!

14. Personal Protective Equipment Test NaK (No Sound) (3:15):

<http://www.youtube.com/watch?feature=endscreen&v=wI5rLL5KvVs&NR=1>

A field test conducted at Y-12 National Security Complex to determine if the new material used in the coveralls could withstand NaK (sodium/potassium)

15. Magnesium Fire in Bellevue (1:44):

<http://www.youtube.com/watch?v=RCeHt8GEKTY>

Good response by BFD NOT to put water on the burning Mag. Just move unburned material out of the way.

16. Home Made Gun Powder (Needs to be authenticated) (1:18):

<http://www.youtube.com/watch?v=XAES5SXUwVU>

Although funny, needs to be verified that the footage is true to life

17. Thermite Reaction with Aluminum and Iron Oxide (1:12)

<http://www.youtube.com/watch?v=U36rw6Zvp0I>

Shows how hot a thermite reaction can be.

18. NIOSH Report 2009-31, LODD Wisconsin (No video):

<http://www.cdc.gov/niosh/fire/pdfs/face200931.pdf>

Report on LODD from open top dumpster at foundry.

19. NIOSH Report 2010-30, Near-Miss CA (No video):

<http://www.cdc.gov/niosh/fire/pdfs/face201030.pdf>

Including SOP for Combustible Metal Response

20. Disposal of Sodium (Military, Large Drums) (1:45):

<http://www.youtube.com/watch?v=HY7mTCMvpEM>

This was a common way to dispose of alkali metals in the old days.

21. Imperial Sugar Company Dust Explosion and Fire (9:29):
http://www.csb.gov/investigations/detail.aspx?SID=6&Type=2&pg=1&F_All=y
Good animation of the explosion at Dixie Crystal.

22. Magnesium Explosion (1:17):
<http://www.youtube.com/watch?v=D1hhgTbtsCs>

23. Balls of Steel Fire Fighter Explosion in His Face (1:01):
<http://www.youtube.com/watch?feature=endscreen&v=qU6arBcC8nQ&NR=1>
Another FD response to a vehicle fire. BEWARE responders.

24. Water on a small magnesium fire (1:08):
<http://www.youtube.com/watch?v=TOpsB5n9DZ8> 1:08
Fire Fighter Training Video

25. How not to put out a magnesium fire (1:51):
<http://www.youtube.com/watch?NR=1&v=95O-bQo04Ok&feature=endscreen>

26. Magnesium Fire Water Spray (0:13):
<http://www.youtube.com/watch?v=UfysDkk21ww>

27. HUGE MAGNESIUM FIRE AT SCRAP YARD @ STANNINGLEY LEEDS (9:50):
<http://www.youtube.com/watch?v=Pp5ynCSewlo&feature=related>
Not too interesting. Just shows magnesium burning from a distance.

28. Sawdust Cannon (1:13 min):
<http://www.youtube.com/watch?v=lvPL7KC1DEA>
Large diameter sono-type tube (12" X 5 ft or so) dust cannon.