

# VANADIUM PENTOXIDE -- Chemical Fact Sheet

<b><i>What is it?!</i></b>	Vanadium Pentoxide is a yellow to red crystalline powder. Exposure to this chemical is possible from airborne particles. Vanadium Pentoxide is the naturally occurring ore of the precious metal Vanadium.
<b><i>Where does it come from?</i></b>	Vanadium Pentoxide is mined in South Africa, Russia, China and Australia.
<b><i>What are the common uses for it?</i></b>	Vanadium Pentoxide is used as a catalyst in many industrial processes. Recycling Sulfuric Acid. Catalyst in air pollution prevention equipment.
<b><i>How is it transported in CCC?</i></b>	Vanadium Pentoxide is transported by truck
<b><i>How is it stored in CCC?</i></b>	Vanadium Pentoxide is stored in tote bins.

## Health Hazards from Exposure

<b><i>Exposure Route</i></b>	<b><i>Symptoms</i></b>	<b><i>First Aid</i></b>
Inhalation (low concentrations)	Irritates nose, throat and lungs Sore throat Coughing Burning sensation	Remove to fresh air. Seek medical attention if symptoms persist.
Inhalation (high concentrations & prolonged exposure)	Burning sensation Coughing Sore throat Stomach cramps Diarrhea Shortness of breath Wheezing Accumulation of fluid in lungs Asthma-like symptoms	Remove to fresh air, get medical attention including oxygen administration. Initiate CPR if breathing stopped.
Eyes	Irritates eyes Burning/discomfort Watering of eyes	Rinse eyes with water for at least 5 minutes. Seek medical attention.
Skin	Irritates skin Burning/discomfort	Wash skin with soapy water. Seek medical attention for all but minor exposure.

Contra Costa RMP/CalARP Companies that  
Use, Store or Manufacture this Chemical<sup>2</sup>

MECS

### For More Information

US Environmental Protection Agency and Technology Transfer Network	<a href="http://www.epa.gov/swerceppo">www.epa.gov/swerceppo</a> <a href="http://www.epa.gov/ttn/uatw/hapindex.html">www.epa.gov/ttn/uatw/hapindex.html</a>	(800)535-0202 EPCRA Hotline (919)541-0888
National Institute of Occupational Safety & Health and the Agency for Toxic Substances and Disease Registry	<a href="http://www.cdc.gov/niosh">www.cdc.gov/niosh</a> <a href="http://atsdr1.atsdr.cdc.gov:8080/hazdat.html">http://atsdr1.atsdr.cdc.gov:8080/hazdat.html</a>	(800)477-1544
Occupational Safety and Health Administration	<a href="http://www.osha.gov">www.osha.gov</a> <a href="http://www.osha-slc.gov/ChemSamp_data">www.osha-slc.gov/ChemSamp_data</a>	(202)219-8151 or (202)219-7056
ChemFinder®	<a href="http://Chemfinder.camsoft.com">http://Chemfinder.camsoft.com</a>	(800)315-7300
International Safety Cards	<a href="http://siri.org/msds/mf/cards/list.html">http://siri.org/msds/mf/cards/list.html</a>	
SDS Sites	<a href="http://www.msdsonline.com">www.msdsonline.com</a>	
Poison Control Center	<a href="http://www.calpoison.org">www.calpoison.org</a>	(800) 876 - 4766
California Health Service Department Sacramento	<a href="http://www.dhs.ca.gov">www.dhs.ca.gov</a>	(916) 540 - 3014
Contra Costa County Health Services – Hazardous Materials Department	<a href="http://www.cchealth.org/groups/hazmat">www.cchealth.org/groups/hazmat</a>	(925) 646 – 2286

*This is a brief summary of information on this chemical. For more detailed information you can obtain a Safety Data Sheet from Contra Costa Health Services. You can also call any of the companies listed above for more information.*

<sup>1</sup>This information was obtained from the websites listed above.

<sup>2</sup>The companies listed were obtained from Business Plans submitted to Contra Costa County Health Services Department.