

VANADIUM PENTOXIDE -- Chemical Fact Sheet

<i>What is it?</i> ¹	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.
<i>Where does it come from?</i>	Vanadium Pentoxide is mined in South Africa, Russia, China and Australia.
<i>What are the common uses for it?</i>	Vanadium Pentoxide is used as a catalyst in many industrial processes. Recycling Sulfuric Acid. Catalyst in air pollution prevention equipment.
<i>How is it transported in CCC?</i>	Vanadium Pentoxide is transported by truck
<i>How is it stored in CCC?</i>	Vanadium Pentoxide is stored in tote bins.

Health Hazards from Exposure

<i>Exposure Route</i>	<i>Symptoms</i>	<i>First Aid</i>
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 Chemical²

Criterion Catalysts
MECS Company

For More Information

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

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

¹This information was obtained from the websites listed above.

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