

Material Safety Data Sheet

May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072



IDENTITY (As Used on Label and List)
 Stan-Tone® VC or VCP-14287 Yellow

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name
 HARWICK CHEMICAL CORPORATION

Emergency Telephone Number
 (216) 798-9300

Address (Number, Street, City, State, and ZIP Code)
 60 South Seiberling Street

Telephone Number for Information
 Same

Akron, OH 44305

Date Prepared
 August 5, 1988

Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Titanium Dioxide CAS #13463-67-7	15mg/m ³	*5mg/m ³		>1
Iron Oxide CAS #1309-37-1	10mg/m ³	*5mg/m ³		>1
**Lead (as Pb)	.05mg/m ³	.15mg/m ³	.45mg/m ³ STEL	>1
**Chromate (as Cr)	1mg/m ³	.5mg/m ³		

*TLV for respirable nuisance dust. Not likely in product form.

**Contained in CI Pigment Yellow 34, CI #77603, CAS #1344-37-2.

Section III — Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1) calculated	2.42
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/D
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A

Solubility in Water

Nil

Appearance and Odor

Yellow granule VC or coarse powder VCP - slight odor.

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) N/A	Flammable Limits N/A	LEL	UEL
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Extinguishing Media

CO₂, dry chemical, water spray

Special Fire Fighting Procedures

Wear self-contained breathing apparatus and protective clothing. Use water spray to cool fire exposed surfaces and to protect fire fighting personnel.

Unusual Fire and Explosion Hazards

Fire conditions produce HCl. In the presence of heat and organic matter, lead chromate can cause an oxidation reaction resulting in fire.

(Reproduce locally)

N/A = Not Applicable

N/D = not Determined

OSHA 174, Sept. 1985

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid Do not heat above 200°C to avoid possible release of HCl
	Stable	X	(toxic and corrosive). Ignition sources.

Incompatibility (Materials to Avoid)
Strong oxidizers

Hazardous Decomposition or Byproducts
HCl, COX

Hazardous Polymerization	May Occur		Conditions to Avoid None known
	Will Not Occur	X	

Section VI — Health Hazard Data

Route(s) of Entry:	Inhalation? Not likely	Skin? Yes	Ingestion? Yes
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Health Hazards (Acute and Chronic)

Acute: If dusty may irritate the eyes, skin and respiratory tract. Contains PVC Resin.

Refer to the OSHA Standard Vinyl Chloride 29CFR.1910 for a full discussion of possible health effects. Chronic: Prolonged overexposure may cause lead poisoning involving delayed effects in the blood, gastrointestinal, nervous and reproductive systems.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
Lead Chromate	Suspect	Suspect	No

Lead chromate is an ACGIH suspect carcinogen.

Signs and Symptoms of Exposure

Early symptoms of lead poisoning are fatigue, disturbance of sleep and constipation.

With more severe exposure; colic, anemia and nueritis.

Medical Conditions

Generally Aggravated by Exposure Respiratory and skin disorders aggravated by dust.

Emergency and First Aid Procedures

Inhalation: Move to fresh air, give artificial respiration if necessary, call a doctor.

Eyes: Flush with water for 15 minutes, call a doctor. Skin: Wash with soap and water.

Ingestion: Induce vomiting, call a doctor.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

prevent additional discharge of material. Recover spilled material and place in a suitable container for recycle or disposal. Depending on the quantity spilled, notification of the National Response Center (800-424-8802) may be necessary.

Waste Disposal Method

Dispose of in accordance with all Federal, State and Local regulations. Lead chromate pigments are a hazardous waste on the basis of EP Toxicity. Test waste mixture for EP

Precautions to Be Taken in Handling and Storing

Do not store near flame or heat. Refer to the OSHA Standard mentioned in Section VI.

Heated material may cause thermal burns.

Other Precautions

None

Section VIII — Control Measures

Respiratory Protection (Specify Type)

Use a NIOSH/MSHA approved respirator above PEL or TLV.

Ventilation	Local Exhaust To maintain PEL & TLV	Special None
	Mechanical (General) To maintain PEL & TLV	Other None

Protective Gloves

Impervious

Other Protective Clothing or Equipment

None

Work/Hygienic Practices

Wash before eating or smoking.

Eye Protection
Safety glasses