



E. I. DU PONT DE NEMOURS & COMPANY

INCORPORATED

WILMINGTON, DELAWARE 19898

CHEMICALS AND PIGMENTS DEPARTMENT

December 23, 1980

MATERIAL SAFETY DATA SHEETS

Enclosed are new Material Safety Data Sheets (MSDS) for the products listed below.

<u>New Stock No.</u>	<u>Title</u>	<u>Replaces Stock No.</u>
E-37713	Vazo® 33 and 52 Polymerization Initiators	E-21976 & E-05164
E-37719	o-Nitrochlorobenzene, Tech.	New
E-37720	N-Ethylaniline, Tech.	New
E-37722	Zinc-Potassium Basic Chromate, Y-539-D	New
E-37723	p-Nitrotoluene, Tech.	New
E-37724	Naphthanil® Reg. Pigments (RT-531-D, RT-539-D, RT-647-D)	New
E-37725	Ludox® Coll. Silica (AM, AS-30, AS-35, AS-40, CL-X, HS-30, LS, SM, TM & WP)	E-11270, E-13316 & E-20062
E-38301	Chromate Conversion Salt 140-S	E-20075
E-38306	Naphthanil® Red Pigment Dispersion RW-706-P	New
E-38307	High Speed Flux 50°, Regular & Special	E-21983
E-38308	Zaclon® W Galvanizing Flux Sol., Tech.	E-21983
E-38309	p-Nitrochlorobenzene, Tech.	New
E-38310	Naphthanil® Red Pigment Presscake, RT-160-P	New

Please discard all copies of the obsolete MSDS's.

Additional copies are available through Du Pont's Marketing Communications Department, Nemours 2468, Wilmington, Delaware 19898.

R. U. Tobar

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RUT:cg
Enclosures

GRAPHIC COMMUNICATIONS DIVISION

DAILY NO-27 GC-B69029

MAILING LIST COUNTS

BINDERY DATE 01/02/81

ENCLOSURE NO 01 RUT MSDS TO DISTR

LIST NO.	MAILING COUNT	RECORD COUNT	U.S.	CAN.	FOR.	MESS.	BUD.	BULK	BULK QTY	PAGE-LINE
1180	26	26	0	0	19	2	5	0	0	27/01
	26	26	0	0	19	2	5	0	0**	

BIN-220
BERT HEILMAN
GENERAL SERVICES
XD6SD326 - PRTE601

MATERIAL SAFETY DATA SHEET

IDENTIFICATION

Name: Zinc - Potassium Basic Chromate Y-539-D

Synonyms: C.I. Pigment Yellow 36:1

C.I. No. 77956, Zinc Yellow,

Basic Zinc Yellow

CAS Name: Potassium Zinc Chromate Hydroxide

I.D. Nos./Codes: NIOSH Access No.

GB 3050000

Manufacturer/Distributor

E. I. du Pont de Nemours & Co., (Inc.)

Address

Wilmington, DE 19898

HAZARDOUS COMPONENTS

Material(s)

Chromium (as CrO₃)

PHYSICAL DATA

Boiling Point, 760 mm Hg

Specific Gravity

3.39

Vapor Density

% Volatiles by wt.

0.3-0.5 (± 6.5% combined water)

Form

Solid

pH Information

5.5-6.0

Appearance

Powder

Chemical Family

Inorganic hexavalent chromium salt

CAS Registry No.

11103-86-9

Product Information and Emergency Phone

(302) 774-2421

Transportation Emergency Phone

(800) 424-9300

Approximate %

44.5%

Melting Point

Vapor Pressure

Solubility in H₂O

Slightly soluble

Evaporation Rate (Butyl Acetate = 1)

Color

Yellow

Odor

Odorless

Octanol/Water Partition Coefficient

FIRE AND EXPLOSION DATA

Flash Point

Method

Autoignition Temperature

Will not burn

Flammable Limits in Air, % by Vol.

Lower

Upper

Fire and Explosion Hazards

Oxidizer - contact with combustible organic matter may cause fire, especially if heated.

Extinguishing Media

Water

Special Fire Fighting Instructions

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. The information set forth herein is furnished free of charge and is based on technical data that Du Pont believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents.

HAZARDOUS REACTIVITY

Instability

Stable

Incompatibility

Combustible organic matter

Decomposition

Will not occur

Polymerization

Will not occur

HEALTH HAZARD INFORMATION

Exposure Limits: OSHA 8-hour Time Weighted Average (TWA) is $100 \mu\text{g}/\text{m}^3$ (as CrO_3). ACGIH TLV®-TWA is $50 \mu\text{g}/\text{m}^3$ (as Cr), with Appendix A, paragraph A2 notation (Industrial Substances Suspect of Carcinogenic Potential for Man).

Routes of Exposure and Effects: Harmful if swallowed. May cause skin and eye irritation. Harmful if inhaled: May cause cancer - see "Exposure Limits" above.

First Aid: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. Flush skin with water. If swallowed, induce vomiting immediately by giving 2 glasses of water and sticking finger down throat. Call a physician. Never give anything by mouth to an unconscious person.

PROTECTION INFORMATION

Ventilation Use only with adequate ventilation and dust containment to reduce dust concentrations to permissible exposure limits.

Personal Protective Equipment If exposure limits are exceeded, use OSHA-permissible respiratory equipment, such as high efficiency particulate respirator, air supplied respirator, etc.

DISPOSAL PROCEDURES

Aquatic Toxicity

Spill, Leak or Release

Do not sweep. Vacuum and wet scrub.

Waste Disposal Comply with Federal, State and local regulations. If approved, may be removed to licensed land disposal area or drained to chemical sewer.

SHIPPING PRECAUTIONS

Transportation

DOT Hazard Classification: Not Regulated

Shipping Containers

Bags

Storage Conditions

Protect packages from breakage.

REFERENCES AND ADDITIONAL INFORMATION

Avoid breathing dust.

Avoid contact with eyes, skin and clothing.

Wash thoroughly after handling.

Change clothes after work if they may be contaminated; wash contaminated clothing before reuse.

DATE: 9/80.

