



E. I. DU PONT DE NEMOURS & COMPANY
INCORPORATED

WILMINGTON, DELAWARE 19898

CHEMICALS, DYES AND PIGMENTS DEPARTMENT

C&PD
Brandywine

R. A. Darby
J. Bugosh
L. N. Fisher
R. J. Buch
W. H. Darnell (2)
W. F. Stafford

C&PD
Field

District Offices &
Field Sales
Representatives
Covered By Direct
Mail (List 1020)

Haskell
Laboratory

R. W. Morrow
A. M. Kaplan
J. J. Pawelski (2)

C&PD Foreign

G. T. Darrer-
DISA Geneva (10)
R. Buckland-
DUCAN Mississauga (10)

Special Interests

(Covered by separate
mailing)

C&PD
Brandywine

R. Aarons
S. F. West
R. U. Tobar
F. B. Maloney (11)
A. S. Campbell
N. Goodman
J. W. Willis

ISD (Centre Road)

L. E. Rasmussen
for Health &
Safety File

C&PD
Chestnut Run

E. W. Stewart
C. H. Muendel
E. R. Everingham (30)
J. C. Watts
R. W. Mackey
M. D. Jacobs
E. W. Griffin
H. R. Geyer
N. J. Hunt

Legal

R. F. Hedgepath
J. J. Trexel

C&PD Unit Plants
Plant Managers

Marketing
Communications

C. W. Hoeftman

Public Affairs

L. C. Skaggs

C C&PD
Experimental Station

M. A. Naylor
Information Center

C&PD
Jackson Laboratory

R. N. Dion
Library
C. B. Bleistine

C&PD
Chambers Works, GAL

D. Putnam (20)

Technical
Library

Trade Literature File

T&D Dept.

B. C. Haworth, D-3080

C&PD Major Plants

R&D Technical Superintendents
S.H.E. Superintendents
Production Superintendents
Control Superintendents
W. W. Wolk, Memphis Plant
R. C. Monson, Wurtland Plant



E. I. DU PONT DE NEMOURS & COMPANY

INCORPORATED

WILMINGTON, DELAWARE 19898

CHEMICALS, DYES AND PIGMENTS DEPARTMENT

September 5, 1980

MATERIAL SAFETY DATA SHEETS

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

New Stock No.	Title	Replaces Stock No.
E-37353	*Duozinc® Brighteners 100, 101, 103 & 122 - Addition Agents 76, 80 & 147	E-11272, E-11273, E-13324, E-18958, E-20051, E-20052, E-20063 E-18967
E-37354	Dimethyl Sulfate	New
E-37355	p-Nitrobenzoic Acid, Tech.	New
E-37356	2,6-Xylidine	New
E-37357	Krolor® Orange Pigments	New
E-37358	Dalamar® Yellow Presscakes & Dispersions	New
E-37359	*Oxone® Monopersulfate Compound	E-11261
E-37360	*Chromium Plating Addition Agent 66	E-11259
E-37361	*Electropolishing Solution	E-20068
E-37362	*Addition Agent 34	E-20064
E-37363	*Copper Plating Addition Agents 510 & 1396	E-11255, E-11256
E-37364	*Potassium Copper Cyanide and Sodium Copper Cyanide Double Salts	E-05151, E-18965
E-37365	*Copper Plating Addition Agent 500	E-11257
E-37366	*Polysulfide 86	E-20053
E-37367	Nitrosylsulfuric Acid, Tech.	E-13305
E-37368	*Hydroxyacetic Acid, 70% Solution Tech.	E-18973
E-37369	1,4-Dichloro-2-Nitrobenzene, Tech.	New
E-37370	Acetone Cyanohydrin	E-05165
E-37371	*Tetrahydrofuran	E-34823

Please destroy all copies of the obsolete MSDS's. Additional copies can be ordered in the usual manner through the Marketing Communications Department.

MSDS's for products asterisked will be mailed to authorized distributors in about two weeks.

J. C. Watts

JCW:cg
Enclosures

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)

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%

PHYSICAL DATA

Boiling Point, 760 mm Hg

Melting Point

Specific Gravity

3.39

Vapor Pressure

Vapor Density

Solubility in H₂O

Slightly soluble

% Volatiles by wt.

0.3-0.5 (± 6.5% combined water)

Evaporation Rate (Butyl Acetate = 1)

Form

Solid

Appearance

Powder

Color

Yellow

Odor

Odorless

pH Information

5.5-6.0

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

