

MATERIAL SAFETY DATA SHEET**850-2540 CHROMA-CHEM®CHROME YELLOW LT**

Material no.	10003987	Version	1.10 / US
Specification	139737	Revision date	05/01/2008
Order Number	02006408	Print Date	06/04/2008
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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**Product information**

Trade name : 850-2540 CHROMA-CHEM®CHROME YELLOW LT
Use of the Substance / Preparation : Non-aqueous colorant
Company : Evonik Degussa Corporation
379 Interpace Parkway
Parsippany, NJ 07054
USA

Telephone : 973-541-8000
Telefax : 973-541-8040

US: CHEMTREC EMERGENCY NUMBER : 800-424-9300

CANADA: CANUTEC EMERGENCY NUMBER : 613-996-6666

Product Regulatory Services : 973-541-8060

2. HAZARDS IDENTIFICATION***** EMERGENCY OVERVIEW *****

Form-paste Color-yellow Odor-Faint odor.

May cause eye, skin and respiratory tract irritation.

POTENTIAL HEALTH EFFECTS**Eye contact**

A slight irritant based on animal testing of a similar POLYTREND product.

Skin Contact

A moderate irritant based on animal testing of a similar POLYTREND product. May cause redness and drying of skin. The product contains a component which is not a skin sensitizer but may be a fatiguing agent based on animal testing.

Inhalation

Possibly irritating.

Ingestion

May cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

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Chronic Health Hazard

Lead and lead compounds are cumulative poisons; blood levels can increase with repeated exposure causing blood, kidney, liver, reproductive, developmental and nervous system effects. Symptoms may include abdominal discomfort or pain, nausea, diarrhea, loss of appetite, dizziness, lassitude, incoordination and insomnia.

Lead chromate is listed as a suspect human carcinogen by IARC (Group 1). However, recent toxicity data indicate that lead chromate pigments are non-carcinogenic or at least show extremely low carcinogenic potential based on lung implantation studies on rats. Furthermore, lead chromate pigments do not show an increase in lung cancer rates according to epidemiological studies of workers in factories which produce only lead chromate pigments.

3. COMPOSITION/INFORMATION ON INGREDIENTS**Information on ingredients / Hazardous components**

lead sulfochromate yellow; C.I. Pigment Yellow 34			
CAS-No.	1344-37-2	Percent (Wt./ Wt.)	30 - 60 %
NJTSR No.56705700001-5382P			
CAS-No.	Trade Secret	Percent (Wt./ Wt.)	1 - 5 %

Other information

This material is classified as hazardous under OSHA regulations.

4. FIRST AID MEASURES**Inhalation**

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If unconscious, evaluate the need for artificial respiration. Get immediate medical attention.

Skin contact

Remove contaminated clothing/shoes. Flush skin with water. Follow by washing with soap and water. If symptoms develop or persist, obtain medical attention. Wash clothing before reuse.

Eye contact

In case of contact, immediately flush eyes with plenty of water. Obtain medical attention if irritation develops.

Ingestion

If swallowed, do NOT induce vomiting. Have victim drink 8-10 ounces of water to dilute material in stomach. Get medical attention immediately. Never give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Flash point	110.00 °C , 230 °F
Method:	Setaflash Closed Cup

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Suitable extinguishing media

Use water spray or fog, foam, dry chemical or CO2.

Further information

As in any fire, wear self-contained positive-pressure breathing apparatus, (MSHA/NIOSH approved or equivalent) and full protective gear. Containers can build up pressure if exposed to heat (fire). Cool with water spray.

6. ACCIDENTAL RELEASE MEASURES

Additional advice

Use personal protective equipment as described in Section 8. Absorb spill with inert material and place in a chemical waste container. Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater, or soil.

7. HANDLING AND STORAGE

Handling

Safe handling advice

Avoid contact with skin, eyes and clothing.

Wash thoroughly after handling.

Follow all MSDS/label precautions even after container is emptied because it may retain product residues.

Storage

Requirements for storage areas and containers

Keep in a dry, cool place.

Keep container closed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures

Use only in well-ventilated areas.

Personal protective equipment

Respiratory protection

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

Hand protection

Use impermeable gloves.

Eye protection

Chemical resistant goggles must be worn.

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Skin and body protection

A safety shower and eye wash fountain should be readily available.

To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form	paste
Color	yellow
Odor	Faint odor.

Safety data

Flash point	110.00 °C	
	Method: Setafash Closed Cup	
Relative density	2.1	
Solubility/qualitative	Solubility in water: Negligible.	
Viscosity, dynamic	85 - 110 KU (25 °C)	
Solvents and Volatiles Data	% VOC (gm/l)	0.00
Evaporation rate	Slower than butyl acetate	

10. STABILITY AND REACTIVITY

Conditions to avoid	High temperature.
Materials to avoid	alkali metals, strong acids, Hydrazides., Peroxides, oxidizing substances
Hazardous reactions	An exothermic polymerization will occur at temperatures above 150°F if contacted by polymerizing agents such as peroxides and other free radical formers.
Further information	Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

Component Acute oral toxicity	lead sulfochromate yellow; C.I. Pigment Yellow 34 1344-37-2 LD50 Rat: > 2000 mg/kg
Component carcinogenicity assessment	lead sulfochromate yellow; C.I. Pigment Yellow 34 1344-37-2

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Contains a component which is classified as an IARC Group 1 carcinogen (carcinogenic to humans).

12. ECOLOGICAL INFORMATION

General Ecological Information No ecotoxicological studies are available.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL

Advice on disposal

Waste must be disposed of in accordance with federal, state, provincial and local regulations. **CONTAINER DISPOSAL:** Empty containers by removing the top and inverting to allow all free-flowing product to drain. To meet regulatory criteria, the container is considered empty when less than 3% remains in the container. Additional special handling is not typically required and the empty container can be discarded with other non-hazardous trash. Note: Local disposal regulations may be more stringent and require additional restrictions or precautions. Customers should check with their local disposal company, municipal or state authority. Recycle of plastic or metal containers may require clean rather than empty containers. In this case the containers can be rinsed with water until the containers are considered generally product free.

14. TRANSPORT INFORMATION

Transport/further information

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Information on ingredients / Non-hazardous components

This product contains the following non-hazardous components

NJTSR No.56705700001-5027P			
CAS-No.	Trade Secret	Percent (Wt./ Wt.)	30 - 60 %

US Federal Regulations

OSHA

If listed below, chemical specific standards apply to the product or components:

- lead sulfochromate yellow; C.I. Pigment Yellow 34
CAS-No. 1344-37-2

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Reference:
Hazard Designation:Cancer hazard.

Clean Air Act Section (112)

If listed below, components present at or above the de minimus level are hazardous air pollutants:

- lead sulfochromate yellow; C.I. Pigment Yellow 34
CAS-No. 1344-37-2

CERCLA Reportable Quantities

If listed below, a reportable quantity (RQ) applies to the product based on the percent of the named component:

- None listed

SARA Title III Section 311/312 Hazard Categories

The product meets the criteria only for the listed hazard classes:

- Acute Health Hazard
- Chronic Health Hazard

SARA Title III Section 313 Reportable Substances

If listed below, components are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

- lead sulfochromate yellow; C.I. Pigment Yellow 34
CAS-No. 1344-37-2

Toxic Substances Control Act (TSCA)

If listed below, non-proprietary substances are subject to export notification under Section 12 (b) of TSCA:

- lead sulfochromate yellow; C.I. Pigment Yellow 34
CAS-No. 1344-37-2 Annual Export Notification required.

State Regulations**California Proposition 65**

A warning under the California Drinking Water Act is required only if listed below:

WARNING! This product contains a chemical known in the State of California to cause cancer.

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International Chemical Inventory Status

Unless otherwise noted, this product is in compliance with the inventory listing of the countries shown below. For information on listing for countries not shown, contact Evonik Degussa Corporation Product Regulatory Services Department:

- | | |
|--------------------------|---------------------------|
| • Europe (EINECS/ELINCS) | Listed/registered |
| • USA (TSCA) | Listed/registered |
| • Canada (DSL) | Listed/registered |
| • Australia (AICS) | Not listed/Not registered |
| • Japan (MITI) | Not listed/Not registered |
| • Korea (TCCL) | Listed/registered |
| • Philippines (PICCS) | Not listed/Not registered |
| • China | Not listed/Not registered |

16. OTHER INFORMATION**HMIS Ratings**

Health :	2*
Flammability :	1
Physical Hazard :	0

Further information

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

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