

# Inadvertent PCBs

Identifying Pigments Made without Chlorine

Status Update to SRRTTF TSCA Workgroup

Noah Maddock, Lauren Heine (in absentia)

7/6/2022

Join Zoom Meeting

<https://us02web.zoom.us/j/87427795365>

# Progress Report

- **Overall progress:**
  - a. Research **100%** complete
  - b. Software development **70%** complete
  - c. Data population and curation **85%** complete
  - d. Communications and Outreach **15%** complete
- **Next steps:** Quality control of data including resolving a few issues with identifiers
- **Software development:**
  - a. Completed:
    - i. Enter and display the color index number as an identifier - DONE
    - ii. Limit chemicals in the vertical to pigments- DONE
    - iii. Added TSCA inventory as a search list (Active, Inactive, Not on TSCA)- DONE
    - iv. Added EPA SCIL Status as tag and as list- DONE
    - v. Added info buttons and updated text in the information buttons for each field - DONE
    - vi. **Updated the text for the landing page of the database - DONE**
    - vii. **Created login to free account- DONE**
  - b. In process:
    - i. Upload and VIEW the hand drawn structures to override pubchem; using Pubchem structures when available and when hand drawn structures are not available- **IN DEVELOPMENT QUEUE**
    - ii. Hide the Summary and hazard tabs - **IN STAGING**
    - iii. Hide the hazard bands on the landing pages, search pages, and individual chemical pages- **IN STAGING**
    - iv. Reorder the tags in the left hand margin - **IN DEVELOPMENT QUEUE**
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# Landing Page text

This database was commissioned by the Spokane River Regional Toxics Task Force to help identify possible sources of inadvertent PCBs in pigments. Depending upon the circumstances, some of these pigments may reach water bodies such as the Spokane River.

The purpose of the database is to serve as a resource to help understand which pigments include chlorine in their molecular structure and/or whether chlorinated solvents are used in the manufacturing process for the pigment.

**This PIGMENTS database contains a subset of ChemFORWARD's full dataset which includes chemical hazard assessments and other information on a multitude of chemicals that are not pigments.**

Click the search headings in the left hand navigation column to display and select search options. You may select multiple search options at a time. Learn more about each search option by clicking on the information button (i).

Caveat: The use or presence of chlorine in a pigment or in the pigment manufacturing process does not definitively determine that inadvertent PCBs are present in a pigment. Manufacturing process changes regularly occur and current information can be obtained by contacting the pigment manufacturer directly. While it is known that some pigments can contain inadvertent PCBs, such as diarylide yellow, it may not be true for all pigments that contain chlorine or could be made with chlorinated solvents.

# Discussion: Hosting Webpages and Links to the Database

1. Account creation ability is set up: [LINK](#)
  - a. (<https://alternatives.chemforward.org/app/auth/signup/eyJpbmR1c3RyeSI6OX0=>)
2. Where to host access to the link
  - a. A webpage on the ChemFORWARD website
  - b. A page on the SRRTTF website?
  - c. Lands council website?
  - d. Other?
3. Plans for ChemFORWARD webpage
  - a. See example for ChemFORWARD Plastic Additives optimization tool
    - i. <https://www.chemforward.org/plastic-additives>

# Display in STAGING Environment (ignore the left hand nav)

Summary tab and Hazard tab are hidden

Search by CAS, Name, INCI Name, EC Number

Cart (0) My Projects My CHA Library Log Out

Chem FORWARD

Sustainability Claims >

< Back

Request an Assessment

2512-29-0

**2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide**

Also Called - [alpha-\(o-Nitro-p-tolylazo...](#) [View all synonyms \(108\)](#)

Save To My Projects

Identifiers Properties Functional Uses Regulatory Lists Non-Regulatory Lists

**CASRN#** 2512-29-0

**Additional CASRN**

**EC Number**

**Synonyms**

alpha-(o-Nitro-p-tolylazo)acetoacetanilide, 102723-11-5, 106177-71-3, 11129-85-4, 2-[(4-Methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutanamide, 2-[(4-Methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide, 2-[(4-methyl-2-nitrophenyl)diazenyl]-3-oxo-N-phenylbutanamide, 2-[(2-(4-methyl-2-nitrophenyl)diazen-1-yl)-3-oxo-N-phenyl]butanamide, 219-730-8, 39310-24-2, 477904-35-1, 7383-22-4, Accospere Hansa Yellow G, Acrylamide Yellow G, ADC Pigment Yellow G, alpha-(o-Nitro-p-tolylazo)acetoacetanilide, Arylamide Yellow G, Butanamide, 2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenyl-, Butanamide, 2-[(2-(4-methyl-2-nitrophenyl)diazenyl)-3-oxo-N-phenyl]-, Butanamide, 2-[(2-(4-methyl-2-nitrophenyl)diazenyl)-3-oxo-N-phenyl]-, C.I. Pigment Yellow 1, Calcotone Hansa Yellow, Carnelino Yellow G, Chromatex Yellow J, CI 11680, Dainichi Fast Yellow G, Eljon Fast Yellow GN-GX, Eljon Fast Yellow PV Extra, Ext D and C Yellow No. 5, Ext D&C Yellow 5, Ext. D and C Yellow No. 5, Fanchon Yellow G YH-1, Fanchon Yellow G-YH 1, Fast Yellow J, Fast Yellow JT, Fastona Yellow G, Fastona Yellow G Transparent, Graphtol Yellow GL, Hansa Yellow, Hansa Yellow G, Hansa Yellow G Extra, Hansa Yellow G Toner, Hansa Yellow GAD, Hansa Yellow GT, Helio Fast Yellow GN, Helio Fast Yellow GNS, Helio Fast Yellow GT, Irgalite Fast Yellow PG, Irgalite Fast Yellow PG transparent, Irgalite Yellow G, Irgalite Yellow GNS, Irgalite Yellow GNX, Irgalite Yellow GTN, Irgalite Yellow PV 2, Irgalite Yellow PV2, Isol Aryl Yellow G, Isol Aryl Yellow G transp, Isol Aryl Yellow G Transp, Isol Aryl Yellow GX, Isol Fast Yellow G, Isol Fast Yellow G transp, Isol Fast Yellow G Transp, Kromon Yellow G, Light Yellow, Lightfast Yellow GA, Lithosol Fast Yellow HL, Lithosol Fast Yellow HV, Lutetia Fast Yellow J, Mono Fast Yellow G, Monolite Fast Paper Yellow GN, Monolite Fast Yellow 2RA, Monolite Fast Yellow GA, Monolite Fast Yellow GN, Monolite Fast Yellow GNA, Monolite Fast Yellow GNV, Monolite Yellow GN, No. 9 Forthfast Yellow G, No. 9/10 Forthfast Yellow G, Oraltit Yellow G, Permanent Yellow G, Permanent Yellow G Toner, Permians Yellow G, Phthalocyanine Light Fast Yellow, Pigment Fast Yellow, Pigment Lightfast Yellow, Pigment Lightfast Yellow TP, Pigment Phthalocyanine Light Fast Yellow, Pigment Yellow 1, Pigment Yellow G, Recolite Fast Yellow G, Sanyo Fast Yellow G, Segnale Light Yellow AG, Segnale Light Yellow G, Segnale Light Yellow GM, Siegle Yellow G, Siegle Yellow GTR transparent, Silopol Yellow G, Silosol Yellow GN, Siloton Yellow GCL, Symuler Fast Yellow GH, Syton Fast Yellow G, Tertropigment Yellow G, Toluidine Yellow, Transa Flo Yellow, Versal Yellow G, Vulcaxif Yellow 4J, Yellow 1, Yellow Pigment G

**Alternate Names**

**Common Trade Names**

**SMILES**

**Formula**

**INCI name(s)** CI 11680

**InChI**

**InChIKey**

**PubChem CID(s)**

**Annexes Follow**

# Proposed Fields and Tags: See also info buttons: [LINK](#)

## Scope

- Organics
- NOT inorganics (no inorganics used in printing)

## Individual pigment identifiers include

- Color Index Number (NOT the color index constitution number)
- CAS number
- **Structure (hand drawn)- in development**
- Other automated identifiers (SMILES, Inchi?); in the app

## Heading and Tags

- **Pigment colour category**
  - Tags
    - Red
    - Orange
    - Etc.
- **Applications**
  - Tags
    - Coatings
    - Inks
    - Plastics
- **Commercial availability**
  - Tags
    - Yes
    - No
    - Unknown

- **Molecule contains chlorine**
  - Tags
    - Yes
    - No
    - Unknown
    - Manufacturer dependent
- **Manufactured using chlorine-containing solvent**
  - Tags
    - Yes
    - No
    - Unknown
    - Manufacturer dependent
- **Pigment Class**
  - Tags
    - **Alot of them (see database or workbook)**
- **US EPA SCIL**
  - Tags
    - Green circle
    - Yellow Triangle
- **TSCA Inventory**
  - Tags
    - Active
    - Inactive
    - Not on TSCA

# Administrative

Contract signed with starting date of 4 February 2022

Team is convening every two weeks to maintain momentum

Updates will be provided at SRRTTF TSCA Workgroup calls

TSCA Workgroup will provide feedback on design



